Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

New York—Lehigh-Buffalo Terminal Co.—This company has been incorporated in New York. It will operate in connection with the proposed new union station to be constructed in Buffalo, N. Y., by the Lehigh Valley R.R. E. B. Ashby, New York, N. Y., is Ch. Engr. L. V. R.R.

North Carolina—Central Carolina R.R.—Various townships in the eastern part of North Carolina, have voted to issue $275,000 in bonds to aid this company in constructing its proposed 110-mile railroad. W. J. Edwards, Sanford, N. C., is interested. Noted June 18 and June 25.

North Carolina—Shelby Northern R.R.—This company plans to begin construction soon on its proposed line from Shelby, N. C., to Casar, N. C., about 20 miles. C. R. Poole, Rockingham, N. C., is interested. J. F. Thompson, Centerville, N. C., is Vice-Pres.

Florida—Suwanee River & White Springs R.R.—This company has started work on its proposed railroad from Live Oak, Fla., east to White Springs, Fla., a distance of 20 miles. A. E. Glass, Pensacola, Fla., is interested.

✚Alabama—Alabama Great Southern R.R.—See item under Mississippi.

Alabama, Tennessee & Northern Ry.—This company plans to construct a 25-mile extension north from Reform, Ala., to connect with the St. Louis & San Francisco R.R., and the Illinois Central R. R. William Toxey, Mobile, Ala., is Ch. Engr.

Alabama—Birmingham, Selma & Mobile, Ala.—This company will construct its proposed 17-mile line from Brent, Ala., to Marion, Ala., with its own forces.

✚Mississippi—Alabama Great Southern R.R.—This company has awarded contracts to M. M. ELKAN, Macon, Ga., for double track work from Meridian, Miss., to Russell, Miss., and from York, Ala., to Toomsuba, Ala., 21.8 miles.

Tennessee—Jellico, Capachine & Western R.R.—This company plans to construct a railroad from Jellico, Tenn., to Pine Knot, Ky., 30 miles. R. D. Beard, Jellico, is interested.

✚Kentucky—Paducah & Illinois R.R.—This company has awarded the contract to MORRIS, SHEPARD & DOUGHERTY, St. Paul, Minn., for grading on its proposed line from a point in Kentucky across the river from Metropolis, Ill., to Paducah, Ky., 13 miles. The work calls for 1,500,000 cu.yd.

Ohio—Cleveland, Cincinnati, Chicago & St. Louis Ry.—This company plans to construct a freight terminal in Monument St., Dayton, Ohio. George P. Smith, Cincinnati, Ohio, is Ch. Engr.

Illinois—Chicago, Rock Island & Pacific Ry.—This company plans to double-track its line between Peoria, Ill., and Bureau, Ill. C. A. Morse, Chicago, Ill., is Ch. Engr.

Nebraska—Interstate R.R.—This company has been incorporated for the purpose of constructing a railroad from Lincoln, Neb., to Webber, Neb. C. B. Calkins, Omaha, Neb., is interested.

South Dakota—George Schlosser, Sioux Falls, S. D., is interested in a project to construct a railroad from Sioux Falls, to Wheeler, S. D. Right-of-way is being secured.

Arkansas—Century Engineering & Construction Co.—This company has been incorporated for the purpose, it is reported, of constructing a railroad from Mena, Ark., to Hot Springs, Ark. H. Williams, Hot Springs, is interested. Noted July 2 and July 9.

✚Texas—Jefferson & Northwestern Ry.—This company has awarded the contract to C. H. FITTS, Greenville, Tex., for change of line calling for 15,000 cu.yd. excavation, 12,000 cu.yd. of embankment and four acres of clearing.

California—Atchison, Topeka & Santa Fé Ry.—This company plans to construct a line from Corona, Calif., to Elsinore, Calif., 20 miles. G. W. Harris, Los Angeles, Calif., is Ch. Engr. Coast Lines.

California—San Diego & Arizona Ry.—The Utah Construction Co., Ogden, Utah, it is reported, has submitted the lowest bid to this company for constructing its proposed line, 46.21 miles long, in San Diego County. Noted June 25.

San Pedro, Los Angeles & Salt Lake R.R.—This company plans to start work at once on its proposed line from San Bernardino, Calif., to Daggett, Calif. A. Maguire, Los Angeles, Calif., is Ch. Engr. Noted June 11.

British Columbia—Canadian Northern Ry.—The Minister of Railways of British Columbia has approved the general location plans for this company's proposed 8-mile branch from Mileage 222 on the main line from Victoria, B. C., to Duncan Bay, B. C., on Vancouver Island, B. C. H. H. MacLeod, Winnipeg, Man., is Gen. Mgr. and Ch. Engr.

ELECTRIC RAILWAYS

Skowhegan, Maine—The Skowhegan & Shawmut Electric Ry. Co. has had surveys made for its 12-mile line between Skowhegan and Shawmut.

Buffalo, N. Y.—The International Street Ry. Co. has applied to the Public Service Commission for permission to extend its lines into the Reusens Park section. J. A. McKenna, Buffalo, is Secy. Noted June 25.

Ithaca, N. Y.—The Ithaca Traction Co. has received a franchise for the construction of a line in Mitchell St. and College Ave., and will also double track its line in Eddy St.

Newton, N. J.—The Kingston & Delaware Electric Ry. Co. plans to extend its system from Branchville to Flatbrookville, by way of Culver's Gap. Stephen H. Sayer, Otisville, N. Y., is interested.

Butler, Penn.—Bonds for the construction of the Northwestern Pennsylvania Traction Co. are being sold. This line will be built from Butler to Slippery Rock.

Pottstown, Penn.—The Reading, Birdsboro & Pottstown Ry. Co. is having surveys made for the construction of an electric railway from Gibraltar to Pottstown. William Abbott Witman is Gen. Mgr.

Danville, Va.—The Danville Traction & Power Co. has been granted a franchise by the Council for the extension of its lines in the eastern section of Danville. N. W. Berkeley, Danville, is Gen. Supt. and Purch. Agt.

New Orleans, La.—The New Orleans Ry. & Light Co. contemplates extending its line on St. Claude Ave. J. S. Pevear is Vice-Pres.

Evansville, Ind.—The Evansville & Indianapolis Light, Power & Electric Ry. Co. has had surveys made of its proposed line between Evansville and Indianapolis. Arthur C. Stone, Evansville, is Pres.

Evansville, Ind.—The Evansville, Chrisney & Eastern Ry. Co. will construct an electric railway between Boonville and Chrisney. Bonds for this purpose have been sold. J. P. Christney, Chrisney, is Pres.

Neodesha, Kan.—The Council has granted the Independence, Neodesha & Topeka Traction Co. a franchise to construct a 17-mile electric railway between Independence and Topeka. T. J. Booth, Independence, is Pres.

Bozeman, Mont.—Eugene W. Dawes, Bozeman; Charles L. Loomis, Kansas City, and others contemplate constructing an electric railway 150 miles long from Bozeman to the Yellowstone Park.

Bonham, Tex.—The Bonham-Paris Interurban Association has finished the survey for the proposed interurban electric railway to be constructed between Bonham and Paris. It is stated that financial arrangements for the construction of the road have been made.

Dallas, Tex.—The Dallas Consolidated Electric Ry. Co. will doubletrack its line on Lamar St. E. T. Moore is Mgr.

Terrell, Tex.—The City Council has granted a franchise to the Stone & Webster Engineering Corporation, Boston, Mass., for the use of certain streets for the proposed interurban electric railway that is to be constructed between Dallas and Terrell.

Benicia, Calif.—The Benicia Land & Terminal Co. is preparing to construct an electric railway from Benicia to Vallejo. A. D. Bowen is Pres.

San Diego, Calif.—The Bay Shore Railroad Co. was awarded a franchise for constructing and operating an electric line between Ocean Beach and Pacific Beach. The company, capitalized at $200,000, plans to construct not only the railway, but a large steel bridge and a highway and to establish a resort city along the beach front.

Transcona, Man.—According to press reports, bids are being received by J. H. Kern, Moose Jaw, Sask., for constructing an electric railway between Transcona and Winnipeg.

LIGHT, HEAT AND POWER

✚Lisbon, N. H.—The Lisbon Light & Power Co. has awarded the contract for the construction of a 40x130-ft. addition to its power house, to the H. P. CUMMINGS CONSTRUCTION CO., Ware, Mass.

★Bath, N. Y.—(Official)—Bids will be received until 11 a.m., Sept. 8, by Joseph A. Goulden, Pres. of the Board of Trustees, New York State Soldiers' and Sailors' Home, for two 125-hp. boilers. For further details, see advertisement under "Contracts To Be Let."

Geneva, N. Y.—The Central Gas & Electric Co., Geneva, has been granted permission by the Public Service Commission to issue $128,000 in bonds. The proceeds of $83,500 will be used for improvements and extensions to the electric department. A. V. Wainwright is Gen. Mgr.

✚Syracuse, N. Y.—The contract for the construction of a power house for the Onondaga County Tuberculosis Sanitarium has been awarded to CLYNES & LEAMY, at $49,516. Noted Aug. 6.

★West Haverstraw, N. Y.—(Official)—Bids will be received until 4 p.m., Sept. 5, by George Blagden, Pres. of the Board of Managers, New York State Hospital for Crippled and Deformed Children, for heating, plumbing and electric work for Solaria at the hospital. For further details, see advertisement under "Contracts To Be Let."

✚Paterson, N. J.—The Society of Useful Manufactures has awarded the contract for the construction of a steam turbine power plant at the Paterson Falls basin to the JOHN W. FERGUSON CO., at $45,890. Noted July 23.

Cumberland, Md.—The City Council contemplates the purchase of a 300-kw. generator for the municipal electric light plant. Joseph S. Scriver is Water & Light Comr.

Wheeling, W. Va.—The Wheeling Traction Co. has taken out a permit for the construction of a new power plant on Water St. It will cost about $260,000.

Charlotte, N. C.—Press reports state that the Southern Power Co. has secured options on a site to be used for the establishment of a steam turbine plant, to cost approximately $1,000,000. C. I. Burkholder, Charlotte, is Engr.

Westminster, S. C.—Preliminary plans have been prepared by the J. B. McCreery Co., Atlanta, Ga., for the construction of a municipal electric lighting system, to be operated by steam power. An election will soon be held to vote on the question of a bond issue of $16,000 for the installation of the plant. H. B. Gilbert is Mayor.

Clarkesville, Ga.—It is reported that the town has secured a waterpower site, about four miles away, for the establishment of an electric light plant. Tentative plans have been prepared, which include the erection of a steam plant for use during the building of the dam, and later in emergencies. W. T. Proctor and W. R. Polk, Elec. Engrs., Atlanta, are Engrs. in Charge.

Frostproof, Fla.—C. W. Brown and associates, Frostproof, are interested in the organization of a stock company to establish a hydro-electric plant to furnish light and power in the town.

Bay Minette, Ala.—The citizens have voted in favor of a bond issue of $5000, the proceeds of which will be used for the installation of a municipal electric light plant. Edgar B. Kay, Tuscaloosa, is Consult. Engr. Noted June 25.

Bowling Green, Ohio—The Board of Trustees of the Bowling Green State Normal College has approved plans for the construction of a power plant for the college.

Chillicothe, Ohio—The American Gas & Electric Co., New York, N. Y., has absorbed the Chillicothe Street R.R., Light & Power Co. It is reported that the local plant will be modernized.

Huntington, Ind.—The City Council has engaged Charles Brossman, Union Trust Bldg., Indianapolis, Ind., to prepare plans, and supervise the reconstruction of the municipal electric light plant, for which an issue of bonds was recently voted. Noted Apr. 16.

Muncie, Ond.—The Indiana Steel & Wire Co. will install another boiler unit in its plant, consisting either of two 250-hp., two 300-hp., one 500-hp. or one 600-hp. single-unit water-tube boiler, to be equipped with stokers.

Elmwood, Ill.—Press reports state that the City Council has decided to install a municipal electric light plant, and will soon ask bids for its construction.

Superior, Wis.—The Superior Water, Light & Power Co. will issue $250,000 of additional stock for the purpose of making improvements and additions to its plant. W. H. Winslow is Gen. Mgr.

Sergeant Bluff, Iowa—Plans are being prepared for the installation of a municipal electric light plant. The estimated cost is $10,000.

Bigelow, Minn.—All bids received for the construction of a transmission and distribution system for the city have been rejected. Earle D. Jackson, Capital Bank Bldg., St. Paul, Minn., is Consult Engr.

Adams, Neb.—It is reported that bids will be asked in about six weeks for the construction of the municipal electric light plant, a bond issue of $13,500 having been voted for this purpose. The equipment will include two generators operated by oil engines, a two-panel switchboard, six transformers and material for four miles of overhead distribution lines. Johnson & Johnson, Falls City, Neb., are Engrs.-in-Charge. Noted July 16 and Aug. 6.

Havre, Mont.—The Havre Electric Co. is considering extensions and improvements to its plant to cost about $50,000. F. W. McCarthy is Mgr.

Gladstone, Mo.—Plans are being prepared by Tuttle & Pike, ~~Schubart Theater Bldg.,~~ Kansas City, Mo., for the construction of a transmission line from Gladstone to Armstrong, Mo. Bids will be asked in the near future.

Montrose, Mo.—E. T. Archer, New England Bldg., Kansas City, Mo., has been engaged by the City Council to supervise the construction of the municipal electric light plant, for which a bond issue of $6000 was recently voted. Noted Aug. 6.

San Antonio, Tex.—Bids will be received until Aug. 24 by George W. West for the construction of an electric light plant and water-works system in George West, Tex. The estimated cost is $24,000. Bartlett & Ranney, 108 East Crockett St., San Antonio, are Engrs.-in-Charge.

Salmon, Idaho—The Salmon River Light, Heat & Power Co. has been incorporated at Salmon, and will build a hydro-electric plant near this point. Contracts for the construction of the plant will be awarded as soon as plans are completed. C. L. Mackenzie is Pres. and E. Riggs is Gen. Mgr. of the company.

Salt Lake City, Utah—The city has granted a franchise to the Dooly Building Power Co., which was organized for the purpose of constructing a central heating system for the district bounded by North Temple, Fifth South, Second East and First West Sts. The franchise stipulates that the proposed system must be completed within three years.

Steilacoom, Wash.—Bids will soon be received by the Town Clerk for furnishing materials, excepting poles, for the construction of a transmission line from the city limits of Tacoma to Steilacoom. Joseph Bowron is Town Clk.

Hood River, Ore.—August Guiard and associates, of Hood River, have made application to the State Water Board for permission to build a hydro-electric plant on the Hood River near the town of Hood River. The plant will develop 2000-hp., and will furnish energy for light and power for the farmers of the Hood River Valley.

Riddle, Ore.—Alenderfer & Kronemiller, representatives of the Oregon-California Power Co., have announced that the company plans to build a transmission line from Ferndale, Calif., to Riddle, at a cost of from $40,000 to $50,000. It is expected that the line will be extended into the Myrtle Hill district, and eventually as far north as Roseburg.

Porterville, Calif.—The question of establishing a municipal electric-light and gas plant in Porterville is under consideration.

BRIDGES

New London, Conn.—It is reported that the New York, New Haven & Hartford R.R. will soon call for bids for the construction of a new bridge in New London.

★Chappaqua, N. Y.—(Official)—Bids will be received until noon, Sept. 8, by Nelson Sarles, Town Supt. of Highways of theTown of New Castle, Westchester County, for the construction of a concrete and masonry arch and approaches on the line of Mill St., in the village of Mount Kisco, Town of New Castle. For further details see advertisement under "Contracts To Be Let."

New Hartford, N. Y.—Bids will be received until 2 p.m., Aug. 24, by C. O. Podley, Town Clk., for the construction of a reinforced-concrete bridge over Sauquoit Creek.

+Oswegatchie, N. Y.—The Town Boards of Oswegatchie and De Peyster have awarded the contract for a bridge across the foot of Black Lake to F. E. COLBY, Owego, N. Y., at $6800. Noted Oct. 23, 1913, under De Peyster, N. Y.

+Cranford, N. J.—The Board of Chosen Freeholders of Union County, Elizabeth, has awarded the contract for the construction of a bridge on Springfield Ave., Cranford, to J. Z. GANO, Neshanic, N. J., at $6820. Noted July 16.

+Morristown, N. J.—(Official)—The Board of Chosen Freeholders of Morris County has awarded the contract for the construction of two reinforced concrete bridges to F. W. SCHWIERS, JR. CO., 90 West St., New York, N. Y., at $3826 and $6139, respectively. Other bidders were: E. D. Blowres, $3853 and $6477; Ferro Concrete Co., $4145 and $6649; Thompson Wooster Co., $9015 and $12,719; Fred Spatz, Jr., $4950 and $6100. Noted Aug. 6.

Somers Point, N. J.—Press reports state that the Board of Chosen Freeholders of Atlantic County contemplates the construction of a reinforced concrete bridge at Somers Point, to cost about $50,000. A. H. Nelson, Bartlett Bldg., Atlantic City, N. J., is Consult. Engr.

Trenton, N. J.—(Official)—Bids will be asked about Dec. 1 by the Pennsylvania R.R. for the construction of two lift bridges across the canal in Trenton. The estimated cost is $25,000 each. Noted Aug. 13.

Connellsville, Penn.—It is reported that the Baltimore & Ohio R.R. Co. is considering plans for a bridge over its tracks at Austin Ave., Connellsville. F. L. Stuart, Baltimore, Md., is Ch. Engr.

+Factoryville, Penn.—The contract for the construction of a bridge over Tunkhannock Creek was awarded to the GROTON BRIDGE CO., Groton, N. Y., at $5298.

Lewistown, Penn.—The Borough Council has had plans prepared, and will soon call for bids for the construction of a reinforced concrete bridge estimated to cost $50,000. C. C. Brown, Lewistown, is Engr. in Charge.

Meadville, Penn.—Bids will be received until Aug. 21, by the Commissioners of Crawford County, for the construction of the following bridges: One 35-ft. span, South Shenango Township; one 35-ft. span in Summit Township; one 54-ft. span, Woodcock Township, and one 80-ft. span, Oil Creek Township. F. G. Altenburg is Clk. of the Comrs.

+Mortonville, Penn.—(Official)—The Philadelphia & Reading Ry. has awarded the contract for the construction of a reinforced concrete bridge at Mortonville to ENOS L. SEEDS, 6314 Wissahickon Ave., Philadelphia. Noted Aug. 6.

+Philadelphia, Penn.—(Official)—The Department of Public Works has awarded contracts for the construction of bridges to: MONAGHAN & LOOSE, 214 South 12th St., Philadelphia, at $19,223 for the 71st St. Bridge; ENOS L. SEEDS, 6314 Wissahickon Ave., Philadelphia, at $10,200 for the Reed St. Bridge; M. & J. B. McHUGH, 714 Commercial Trust Bldg., Philadelphia, at $3923 for the Warrington Ave. Bridge. Noted Aug. 13.

+Wilkes-Barre, Penn.—(Official)—The Commissioners of Luzerne County have awarded the contract for the construction of a bridge over the North Branch of the Susquehanna River, connecting Eighth St., Wyoming, with the county road in Jenkins Township, to the PENN BRIDGE CO., Beaver Falls, Penn., at $182,800. Other bidders were: B. G. Coon Construction Co., $227,436; Dravo Contracting Co., $219,500; North Branch Engineering Co., $224,666; Pennsylvania Steel Co., $190,559; James McLinden & Co., $209,650; John Monks & Son, $249,418; Lathrop, Shea & Henwood, $224,300; P. J. Carlin Construction Co., $231,720; Whitaker & Diehl ,$201,844; G. H. Reimard, $230,915; D. M. Rosser, $249,630. Noted July 30.

Baltimore, Md.—The Pennsylvania R.R. Co. is having plans prepared by A. L. Carhart, Hale Bldg., Philadelphia, Penn., for the construction of a bridge, known as the Edgar St. overhead bridge, east of the Fallsway Viaduct, Baltimore.

★(Official)—Bids will be received until noon, Sept. 15, for the construction of a bascule span, Sect. 4, of the Hanover St. Bridge. O. E. Weller is Chn. State Roads Comn. Noted Aug. 13.

★+The following bids were opened Aug. 13, by the State Roads Commission, for the construction of Sections 1 and 2 of the Hanover St. Bridge: H. P. CONVERSE & CO., Boston, Mass., $667,897 (awarded contract); Maryland Dredging & Contracting Co., Baltimore, $699,729; McLean Contracting Co., Baltimore, $711,520; McHarg, Barton & Co., New York, N. Y., $791,242; Robert Grace Contracting Co., Pittsburgh, Penn., $822,615; Elkan-Tufts Construction Co., Baltimore, $854,415; Charles Fath & Co., Cleveland, Ohio, $858,922; Sanford & Brooks, Baltimore, $944,575. Noted July 30.

(Official)—Bids will be received until 3 p.m., **Aug. 27**, by the State Roads Commission, for the construction of a reinforced-concrete bridge, of four 30-ft. spans, over the North Branch of the Patapsco River, along the Liberty Road. William L. Marcy is Secy. of the Comn.

Ellicott City, Md.—(Official)—Bids will be received until noon, Aug. 25, by the State Roads Commission, Garrett Bldg., Baltimore, for the construction of a reinforced-concrete bridge over the Patapsco River, at Ellicott City. The bridge will have one 72- and two 56-ft. arches. O. E. Weller is Chn. of the Comn.

Fort Lauderdale, Fla.—The Commissioners of Dade County, Miami, have rejected bids for the construction of a bridge across the New River at Fort Lauderdale as being above the estimate of $16,000. Noted July 23.

Gainesville, Fla.—(Official)—Bids will be received until 10 a.m., Aug. 31, by the Clerk of the Circuit Court of Alachua County, for the construction of a bridge across the canal between Sante Fe and Lake Alto, about four miles east of Waldo. C. C. Pedrick is Chn. Bd. of County Comrs.

Bids will be received until 11 a.m., Aug. 31, by the Commissioners of Columbia and Alachua Counties for the construction of a bridge across the Sante Fe River at what is known as Dunegan's Bridge. C. C. Pedrick is Chn. of Alachua County Comrs. R. W. Turner, Lake City, is Chn. Bd. of Comrs. of Columbia County.

+**Birmingham, Ala.**—(Official)—The Louisville & Nashville R.R. has awarded the contract for the construction of the First Ave. Viaduct to the JEFFERSON CONSTRUCTION CO., New Orleans, La., at approximately $200,000. It will be of reinforced concrete. Noted Jan. 8, Apr. 16 and July 23.

Houston, Miss.—(Official)—Bids will be received until Sept. 7, by the Board of Supervisors of Chickasaw County for the construction of 10 steel bridges in various sections of the county. H. E. Brannon is Chancery Clk.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Aug. 24, by Philip Fosdick, Dir. of Pub. Ser., for the construction of a reinforced-concrete bridge on Roll Road, at West Fork. Parke S. Johnson is Secy. to Dir. of Pub. Ser-

+**Marietta, Ohio**—(Official)—The Board of Commissioners of Washington County has awarded the contracts for the construction of the Indian Run and Winget Run Bridges to the MERYDITH CONSTRUCTION CO., Marietta, at $3596 and $1303 respectively. Noted July 30.

(Official)—Bids will be received until noon, Aug. 21, by the Board of Commissioners of Washington County for the construction of three concrete bridges. W. P. Mason is County Engr.

+**Marion, Ohio**—The Board of Commissioners of Marion County has awarded the contract for the construction of a bridge over the Whetstone River on Retterer Pike, Richland Township, to the CENTRAL CONCRETE & CONSTRUCTION CO., Canton, Ohio, at $7967. The bridge will be 175 ft. long, and 16 ft. wide. There were six other bidders. Noted July 30.

Massillon, Ohio—Bids will soon be asked for the construction of the South Erie St. Viaduct, which will be about 900 ft. long. Stark County will pay $18,000, the Wheeling & Lake Erie R.R. $4000, the Baltimore & Ohio R.R. Co., $1600, and the city of Massillon, the remainder of the cost. Plans were prepared by Wilbur J. Watson & Co., Leader News Bldg., Cleveland, Ohio. Noted Apr. 9, Apr. 23 and Apr. 30.

Tiffin, Ohio—(Official)—Bids will be received until 1:30 p.m., Sept. 5, by the Board of Commissioners of Seneca County for the construction of a concrete arch across Willow Creek in the city of Tiffin, to be known as Riverview Park Bridge No. 341. The work will include grading and macadamizing the approaches of the bridge. J. E. Hershberger is County Audr.

+**Elkhart, Ind.**—The County Commissioners have awarded the contract for reflooring the Main St. Bridge to the JENNER-WRIGHT CO., Chicago, Ill., at $5870. Noted July 23.

+**Muncie, Ind.**—The Commissioners of Delaware County have awarded the contract for the construction of two bridges in Harrison Township to the INDIANA BRIDGE CO., at $4668 for the two.

Chicago, Ill.—(Official)—The following bids were opened Aug. 5 by the Commissioner of Public Works for the construction of the substructure of a double-leaf trunnion bascule bridge over the North Branch of the Chicago River at Belmont Ave.: Great Lakes Dredge & Dock Co., $108,970; Nash-Dowdle Co., $111,325; Byrne Bros. Dredging & Engineering Co., $113,377; Fitzsimons & Connell Dredge & Dock Co., $113,715; Standish & Allan, $119,670.

Bids for the superstructure of this bridge were received Aug. 7. (a) Construction of superstructure. (b) Deduction for roadway lights: Great Lakes Dredge & Dock Co., (a) $139,844, (b) $1500; Ketler-Elliott Construction Co., (a) $145,000, (b) $2000; Strobel Steel Construction Co., (a) $146,300, (b) $2700; Standish & Allan, (a) $149,000, (b) $2500; Modern Steel Structural Co., (a) $150,000, (b) $2000; Oscar Daniels & Co., (a) $156,980, (b) $50. Noted Aug. 6.

Morris, Ill.—(Official)—Bids will be received until 2 p.m., Aug. 22, by the Commissioners of Grundy County for the construction of a bridge in Maine Township. It will have two 60-ft. spans with a 16-ft. roadway. F. W. Stine is County Supt. of Highways. Noted July 23, under Mazon, Ill.

+**Milwaukee, Wis.**—The Chicago & Northwestern Ry. has awarded the contract for the construction of a railway bridge at Milwaukee to PELLETT & McMULLEN, Manitowoc, Wis. It will cost about $180,000.

Charles City, Iowa—The Commissioners of Floyd County, Charles City, plan to build a bridge, costing $5000, near the fair grounds at Charles City, and one at Marble Rock to cost about $18,000.

+**Fort Dodge, Iowa**—(Official)—The Board of Supervisors of Webster County has awarded the following contracts for bridge construction: MARSH ENGINEERING CO., Des Moines, Iowa, five bridges, $3005; DES MOINES BRIDGE & IRON WORKS, Des Moines, three bridges, $5968; THOMPSON & NEESE, Stratford, Iowa, four bridges, $3509; J. J. CAIN, Clare, Iowa, three bridges, $2100. Noted July 30.

Muscatine, Iowa—The United States Senate, on Aug. 7, passed the bill to permit the construction of a bridge over the Mississippi River at Muscatine. The bridge will be built by the Interstate Bridge & Terminal Co. Noted July 30.

Brown Valley, Minn.—(Official)—All bids received Aug. 4 for the construction of a 60-ft. bridge were rejected by the Village Board. L. C. Bigelow is Village Clk. Noted July 30.

+**Lindsborg, Kan.**—(Official)—The Commissioners of McPherson County have awarded the contract for the construction of a bridge over the Smoky Hill River, at Lindsborg, to the MISSOURI VALLEY BRIDGE CO., Wichita, Kan., at $11,910. Noted June 25 and July 23.

Center, N. D.—Bids will be received until 3 p.m., Aug. 21, by F. J. V. Kiebert, Audr. of Oliver County, for the construction of a truss bridge.

Billings, Mont.—The Commissioners of Yellowstone County are considering the construction of a 600-ft. steel bridge over Yellowstone Rapids and a 50-ft. bridge over one of the up-country streams. B. F. Harris is Chn. of Comrs.

Townsend, Mont.—The Commissioners of Broadwater County contemplate the construction of a 500-ft. steel bridge over the Missouri River at Toston. John Hines, Sr. is Chn. Bd. of County Comrs.

Chillicothe, Mo.—Bids will be received until Aug. 22 by the Commissioners of Livingston County for the construction of several reinforced concrete bridges. Joseph Broaddus is Bridge Comr.

+**Huntsville, Ark.**—The County Court of Madison County has awarded the contract for the construction of a bridge across War Eagle Fork at Withrow Ford, to P. J. BARRINGER, Fayetteville, at $6462.

Dallas, Tex.—The following bids were received Aug. 1 by the Commissioners Court for the construction of three bridges across the Trinity River: Austin Bros., $34,265; El Paso Bridge & Iron Co., $29,335; Hess & Skinner, $27,250; Missouri Bridge & Iron Co., $33,597; Missouri Valley Bridge & Iron Co., $31,376; Modern Structural Steel Co., $33,220; Midland Bridge Co., $38,400. Noted July 16 and Aug. 13.

Houston, Tex.—(Official)—The Commissioners Court of Harris County has rejected all bids for constructing concrete culverts on the Westheimer-Allief Road. Bids were received Aug. 10. Noted Aug. 6.

+The City Commissioners have awarded the contract for the construction of the Wrightwood Ave. Bridge to W. L. PEARSON & CO., at $7200, exclusive of the approaches. An appropriation of $12,500 will be made to cover the total cost of the bridge. Noted July 23.

San Antonio, Tex.—The City Council has received the following bids for the construction of the Nueva St. Bridge: H. S. Warner & Co., $21,680; Alamo Construction Co., $16,000; Topeka Bridge & Iron Co., $12,950; Bexar Construction Co., $17,400; John O. Kelley, $13,709; Jones & Day, $18,743; H. C. Gass, $15,201; Warfield & Green, $14,750; J. H. Wagner, $21,992.

Colorado Springs, Colo.—The Commissioners of El Paso County will have plans prepared at once for a concrete bridge, 150 ft. long and 20 ft. wide, to replace the bridge over Fountain Creek at South Nevada Ave. The estimated cost is $12,000.

Colorado Springs, Colo.—Bids will be received until noon, Aug. 22, by the Clerk of the Board of Commissioners of El Paso County for the construction of two concrete girder bridges, one over Cattle Creek and the other over Fountain Creek, in Colorado Springs.

+**Mora, N. M.**—(Official)—The Board of Commissioners of Mora County has awarded the contract for the construction of four bridges to the MISSOURI VALLEY BRIDGE & IRON CO., Denver, Colo., at $14,170. Other bidders were: Pueblo Bridge Co., Pueblo, Colo., $19,945, and the Midland Bridge Co., Kansas City, Mo., $16,175. Noted July 30.

Flagstaff, Ariz.—(Official)—Bids will be received until 2 p.m., Aug. 31, by the Board of Supervisors of Coconino County for the construction of a 136-ft. concrete arch over Cañon Diablo. The estimated cost is $10,000. Noted Aug. 6 and Aug. 13.

St. John, Ariz.—Bids will be received until Sept. 2 by the Board of Supervisors of Apache County for the construction of two concrete viaducts, on the State Highway, one at Milky Wash and the other at Beaver Dam Wash. Noted Aug. 6 and Aug. 13.

+**Franklin, Wash.**—The Commissioners of King County, Seattle, have awarded the contract for the construction of a bridge at Franklin to C. G. HUBER, Seattle, at $26,569. Bids were opened Aug. 3. Noted July 30.

+**McMinnville, Ore.**—The Commissioners of Yamhill County have awarded contracts for the construction of a bridge at Dayton to: C. W. RAYNOR, $11,385 for foundations, steel and erection; H. D. BOND, $799 for hardware and building approaches; SPAULDING LOGGING CO., $1945 for lumber for approaches. For the construction of the McMinnville Bridge, contracts were awarded to: AMBROSE-BIRDSALL CO., $6949 for foundations, steel and erection; H. D. BOND, labor, hardware and building approaches, SPAULDING LOGGING CO., $2595 for lumber. Noted July 23 and Aug. 13.

Los Angeles, Calif.—The Board of Public Works will soon ask for bids for the construction of a bridge over Hollenbeck Lake at Sixth St. Homer Hamlin is City Engr.

Marysville, Calif.—(Official)—Bids will be received until 11 a.m., Sept. 8, by the Board of Supervisors of Yuba County, for the construction of a reinforced concrete bridge and approaches across the Yuba River at D St., Marysville. W. J. Mellon is Chn. Noted Apr. 23 and July 23.

+**Sacramento, Calif.**—(Official)—The State Department of Engineering has awarded the contract for the construction of two bridges on the Trinity State Road to the BERKELEY IRON WORKS, San Francisco, at $4400. Noted July 16.

Santa Ana, Calif.—It is reported that bids will be received until Sept. 2 by the Board of Supervisors of Orange County for the construction of a bridge over the Santa Ana River on the Anaheim-Olive Road. W. B. Williams is County Clk. Noted Aug. 4, Sept. 4, Oct. 2 and Nov. 6, 1913.

Sunset Beach, Calif.—The South Coast Improvement Co., Central Bldg., Los Angeles, plans the construction of eight bridges across the canals at Sunset Beach.

Brockville, Ont.—Plans have been prepared for the erection of a steel bridge to replace the present structure known as the Kingston Bridge. The estimated cost of a new bridge is $15,000.

Banff, Alta.—The Public Works Department has approved plans for the new Banff Ave. Bridge. It will be of concrete, and is estimated to cost $200,000.

WATER SUPPLY—IRRIGATION

✚Boston, Mass.—The contract for constructing a concrete foundation for the steel water tank has been awarded by the Metropolitan Water and Sewer Board to JOHN E. PALMER, Old South Bldg., Boston, at $5874.

Salem, Mass.—The citizens have voted $160,000 bonds to replace old water pipes, and increase supply in various sections of the city.

✚★Schenectady, N. Y.—(Official)—Bids were received Aug. 5, by the Board of Contract and Supply, for constructing a 20,000,000 gal. reservoir on Bevis Hill as follows: SUTTON & CARSON CO., Ocean City, N. J., at $222,873 (awarded contract); State Highways Construction Co., $240,304; John J. Hart, $246,522; Shear & Wilson Corp., $247,809; Barzaghi-Vought Co., $248,200; Brown & Lowe Co., $248,399; Sewage Disposal & Water Plant Co., Inc., $251,744; Won Engineering & Contracting Co., $257,030; J. F. Cogan Co., $273,185; Mason-Hilton Co., and Merril-Rackgaber Co., $287,655; John W. Heller, $292,590; Walsh Construction Co., $293,679; Buffalo Dredging Co., $293,684; U. S. Realty & Improvement Co., $300,330; and Charles Ippolito, $356,877. Noted May 21 and July 30.

★Waverly, N. Y.—(Official)—Bids will be received by the Board of Water Commissioners until noon, Aug. 22, for raising the embankment of the upper reservoir. Plans are on file with the Board of Water Commissioners. Andrew Hilderbrand is Pres.

Belleville, N. J.—(Official)—Bids will be received by the Town Council until 9 p.m., Aug. 25, for laying water pipe in various streets. Edward E. Mathes is Town Clk.

West Orange, N. J.—The Town Council plans to increase the capacity of the water supply system.

Mauch Chunk, Penn.—The Mauch Chunk Water Co. will erect, it is reported, a 500,000 gal. reservoir at Thompson Springs. The cost is estimated at $50,000. Edgar T. Anderson, East Mauch Chunk, is Engr.

Hancock, Md.—At a recent election bonds for $30,000 for the construction of a water system were voted by the citizens.

Winnsboro, S. C.—At an election held Aug. 4, bonds for $100,000 for the installation of a water system were voted. Noted July 30.

Hartwell, Ga.—An election will be held Sept. 2 to vote on the proposition of issuing $33,000 in bonds for the installation of a water system.

Louisville, Ga.—The city contemplates spending $12,000 for the extension of the water works and sewer system.

Ochlocknee, Ga.—The town has been authorized to issue $10,000 in bonds for the installation of a water system.

Bradentown, Fla.—Bids will be received by S. C. Corwin, Comr. Public Works, until 7 p.m., Aug. 21, for constructing a 500,000 gal. reinforced concrete reservoir.

Bay Minette, Ala.—Bids will be received until Sept. 29 by the Town Council for constructing a municipal water and sewer system. Bonds for this purpose have been voted. Noted Aug. 13.

Elba, Ala.—The city contemplates making improvements and extensions to the water system.

Vicksburg, Miss.—Bids will be received until Sept. 21 for the construction of a water system and filters. A. M. Paxton is City Clk. and A. L. Dabney, Porter Bldg., Memphs, Tenn., is the Engr. Noted May 14.

Lecompte, La.—(Official)—Plans have been prepared by O. F. Reiszner, Engr., for the installation of new oil engines and pumping machinery for the water works. Bids will be received until Sept. 1 for this machinery.

Knoxville, Tenn.—Dabney H. Maury, Hydraulic Engr., has submitted recommendations to the City Commission for improvements to the water plant, involving the construction of a pumping station, and the installation of two 350 hp. water tube boilers and two 10,000,000-gal. vertical triple expansion engines.

Columbus, Ohio—All bids received July 28 for furnishing c.i. valve boxes and special castings were rejected. Noted July 23.

✚Columbus, Ohio—Contracts for furnishing supplies for the water department have been awarded to I. WINKLER & BRO., at $23,940, for [illegible] tons of soda wash; to MITCHELL LIME CO., at $13,175 [illegible]500 tons of lime and to GENERAL CHEMICAL CO., at [illegible] for 200 tons of sulphate alumina.

✚Columbus, Ohio—The contract for constructing the Lake St. Marys waste weir and gates has been awarded to F. A. MOOREHEAD, West Jefferson, at $10,851, by John I. Miller, Supt. of Pub. Works.

Huntington, Ind.—The City Council has authorized the issue of $50,000 bonds, the proceeds of which to be used for the repair of the water works and light plants.

★Ford, Mich.—(Wyandotte post office)—The contract for laying 16,500 ft. of water mains and installing water gates and fire hydrants has been awarded by the Village Council to T. C. BROOKS, Jackson, Mich.

★Highland Park, Mich.—(Official)—Bids will be received by the Village Clerk until 10 a.m., Aug. 29, for constructing a steel intake crib, constructing an 18 ft. diameter concrete well, 39 ft. deep and for trenching. For details see item under "Contracts To Be Let."

Galesburg, Ill.—Bonds for $100,000 have been authorized by the Council, the proceeds to be used for the extension of the water system.

Lake City, Ill.—Bids will be received by J. M. Fickel, City Clk., until Aug. 26, for laying water mains.

Leaf River, Ill.—The citizens voted bonds for $12,000, the proceeds of which will be used for the installation of a water system.

✚Lockport, Ill.—The contract for constructing a 100,000-gal. water tank has been awarded to CHICAGO BRIDGE & IRON CO., at $5300. Bids opened Aug. 3. Noted July 23.

Westville, Ill.—The City Council contemplates installing a water system at Westville.

Appleton, Wis.—See item under "Sewers."

Milwaukee, Wis.—The Common Council appropriated $175,000 for the construction of a tunnel from the new lake intake to North Point pumping station. J. A. Mesiroff is City Engr. Noted June 18.

✚West Allis, Wis.—(Official)—The contract for laying water mains with hydrants and connections in Worden Ave. and 53d Ave. has been awarded to ESAU-KRAENING CONSTRUCTION CO., Milwaukee, at $1.21 per lin.ft. Noted July 23.

✚★Dubuque, Iowa—The contract for constructing a reservoir with a capacity of 7,500,000 gal. has been awarded by the Board of Water-Works Trustees to MID WEST CONSTRUCTION CO., Kansas City, Mo., at $66,000. List of bidders noted Aug. 13.

✚Fergus Falls, Minn.—The contract for constructing a 600,000 gal. concrete reservoir at the State Asylum has been awarded to JOHN LAURITZEN, Fergus Falls, at $7029.

✚Virginia, Minn.—(Official)—Bids were received by the Water and Light Commission, Aug. 10, for constructing a reinforced concrete reservoir as follows: RISBERG & MARWICK, Virginia, Minn., at $17,798 (awarded contract); F. P. Tims, $23,419; Lawrence & McCann, $27,536; C. C. Butler, $22,231; and Ward & Weighton, $21,512. J. W. Murphy is Secy. Noted Aug. 6.

✚Arkansas City, Kan.—The contract for making improvements to the water system has been awarded to AMOW ENGINEERING CO., St. Louis, Mo., at $86,816. Burns & McDonnell, Kansas City, are the Engrs. Bids opened July 21. Noted July 9.

Fort Scott, Kan.—The Water Board contemplates installing a mechanical filtering plant at the water works. The estimated cost is $40,000.

Larned, Kan.—(Official).—All bids received Aug. 14 for the construction of a water system and electric-light plant have been rejected. The contract will be readvertised. L. D. Burges is City Clk. Noted Aug. 6.

✚Dakota City, Neb.—The contract for installing a water system has been awarded to F. T. LEADER, Sioux City, Iowa, at $8593. The Alamo Engine & Supply Co., Omaha, are the Engrs.

Ewing, Neb.—The citizens contemplate spending $18,000 for the extension and improvement of the water system.

Wahpeton, N. D.—At a recent election bonds for $[illegible]1,000 for the improvement of the water works were voted. Lewis P. Wolff, St. Paul, Minn., is the Engr. Noted Oct. 9, 1913.

Forsyth, Mont.—Bids will be received until Aug. 22 by Draz D. Tull, City Clk., for the purchase of $15,000 in bonds for the construction of a water system. Noted May 14.

Valier, Mont.—The Valier Mountain Land & Water Co. has been organized at Great Falls, Mont., with a capital of $3,500,000, by Patrick Kelly, Conrad, Mont.; A. E. Schwinger and others. The company will complete the Gary land project at Valier, which will cover 120,000 acres.

Birch Tree, Mo.—The Birch Tree Ice & Refrigeration Co. will construct a water system.

Webb City, Mo.—The Public Service Commission has ordered the Webb City Water Co. to comply within nine months with that feature of its franchise providing for the extension of certain water mains in Webb City.

Willow Springs, Mo.—Bids will be received by H. M. Shipley, Mayor, until 7 p.m., Sept. 1, for furnishing 3000 ft. 6 in., and 6500 ft. 4-in. c.i. pipe for water mains.

Glenwood, Ark.—According to press reports the city contemplates issuing $100,000 in bonds for the installation of a water and a sewer system.

✚Paragould, Ark.—The contract for making extensions to the water system has been awarded by the board of Public Works to READECKER & CONNOR, 4036 Montgall Ave., Kansas City, Mo., at $21,625. Bids opened July 30. Noted July 23.

✚Beaumont, Tex.—The contract for making improvements to the filter at Beaumont has been awarded to NEW YORK CONTINENTAL JEWEL FILTER CO., at $4975.

Corpus Christi, Tex.—An election of tax-payers will be held Sept. 3, to vote on the proposition of enlarging the water works plant. It is proposed to issue $300,000 in bonds for the purchase of new machinery and extending the mains. A new main will be laid to a point on the Nueces River, 17 miles from the city, where the water supply will be obtained. A water purification plant will also be installed.

Granbury, Tex.—The City Council has ordered an election of tax-payers to be held Sept. 5 to vote on the proposition of issuing $20,000 in bonds for the construction of a waterworks plant and distributing system.

San Antonio, Tex.—Bids will be received by Bartlett & Ranney, Consult. Engrs., 108 E. Crockett St., until Aug. 24, for constructing a water works, sewer system and electric light plant at George West. The estimated cost is $45,000.

Timpson, Tex.—The City Council is preparing to construct a water works plant and distributing system at Timpson.

Guthrie, Okla.—On Aug. 11 the citizens voted $25,000 in bonds, the proceeds to be used for the improvement of the water works.

Rigby, Utah—Bonds for $7500 have been voted by the citizens, the proceeds to be used for the extension of the water system.

Pe Ell, Wash.—Bobo & Shepard, Pe Ell, have applied to the Council for a franchise to construct a water system.

Sultan, Wash.—County Commissioners of Snohomish County have granted a franchise for a pipe line to carry water from the city water system across the Skykomish River to residents outside of city limits.

Tacoma, Wash.—The Metropolitan Park Board is considering the advisability of issuing $100,000 in bonds the proceeds to be used for the installation of a water system in Point Defiance Park.

Eugene, Ore.—Bids were received for the construction of a deep reservoir on College Hill, as follows: Collier & Stevenson, Salem, $11,770; Barney & Johnson, Portland, $7665, and A. C. Mathews, Eugene, $8150.

Portland, Ore.—The Green Hills Water Co. has been formed to furnish water to Green Hills and Ziontown, suburbs of Portland.

Bakersfield, Calif.—Press reports state that W. W. Kays and James Arp, Bakersfield, will construct a dam near Mojave to impound water for irrigation purposes. The dam will be 92 ft. high and 1096 ft. long.

Calexico, Calif.—The city contemplates installing a pipe line or conduit from the main line canal to Calexico to supply better water facilities for the city. H. E. Foster is Engr.

Otay, Calif.—Bids will soon be received for the construction of a filtration plant to have a capacity of 12,000,000 gal. per day. H. A. Whitney, San Diego, is Engr.

✚San Diego, Calif.—The contract for constructing 16,700 ft. of concrete conduit along Cottonwood Creek, east of the Barrett dam site has been awarded to D. L. BISSELL, East San Diego, at $40,978.

Orillia, Ont.—Bids will be received until Aug. 29 by the Town Council for furnishing machinery and supplies under sections E, F and G of the waterworks specifications. W. K. Greenwood is Engr. Noted July 16.

SEWERS

Boston, Mass.—Bids will be received by the Board of Public Works until Aug. 21, for constructing sewers in Chestnut St. and Museum Road. L. K. Rourke is Comr.

Boston, Mass.—The following bids were received by the Public Works Department for constructing pipe sewers and drains in Vose Ave., Metropolitan Ave., Milton Ave., Washington Place and Glenwood Place, Hyde Park: Anthony Baruffaldi, $4900; Timothy Coughlin, $4955; M. De Sisto, $5253; Thomas H. Corrigan, $5291; Louis Balboni, $5366; John Guarino, $5435; Antony Cefalo, $5493; Martino De Matteo, $5594; T. J. O'Connell Co., $5642; John F. Lynch, $5695; William L. Dolan, $5889; R. Cartullo, $6506. Noted Aug. 6.

Bids will be received by the Public Works Department, until Aug. 24, for sewer construction in 16 streets in Roxbury and West Roxbury Districts. L. K. Rourke is Comr.

Hartford, Conn.—(Official)—Bids will be received by the Board of Contract and Supply until 11 a.m., Aug. 25, for the construction of Sections D, E and F, of the Maple Ave. sewer system. The work requires 512 ft. of 51-in., 600 ft. of 42-in., 563 ft. of 36-in. and 552 ft. of 30-in. concrete sewers, 1205 ft. of 10-in., 18-in. and 20-in. tile sewers on Section B; 6650 ft. of tile sewers from 8- to 24-in. on Section E; and 9600 ft. of tile sewers from 8- to 24-in. on Section F. J. A. Gleason is Assist. Secy.

Hartford, Conn.—(Official)—Bids will be received by the Board of Contract and Supply until Aug. 25 for constucting an extension to the Maple Ave. sewer system. The work requires 2200 ft. of 30-, 36-, 42-, and 51-in. concrete sewers and 17,450 ft. of 8- to 24-in. tile sewers. R. N. Clark is City Engr. W. S. Brewer is Div. Engr. in charge of sewers.

New York, N. Y. (Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Pres. of the Borough, until 2 p.m., Aug. 26, for constructing sanitary sewers in various streets.

New York, N. Y.—(Borough of Queens)—The following are the bid sreceived by Maurice E. Connolly, Pres. of the Borough for constructing sewers: (a) Atlantic Ave., Fulton St., Walnut St., Briggs Ave., Church St., Lefferts Ave., Fourth Ward, Borough of Queens; (b) Toledo St. with temporary dry weather flow connections at Maurice Ave., Horton and Ivy Sts., Second Ward, Borough of Queens; Paino Bros., 684 Degraw St., Brooklyn, (a) $16,894, (b) $31,210; Leo E. Kelly, Inc., (a) $24,507, (b) $30,898; Peace Bros. (a) $18,969, (b) $25,540; Green Contracting Co., (a) $19,751, (b) $23,142; Clancy & Van Alst. 401 Broadway, Long Island City (a) $21,176, (b) $20,213; Evergreen Contracting Co., (a) $20,306; Joseph L. Sigretto, (a) $19,240; King Bros., (a) $22,047, (b) $27,807; Amanna & Sullivan, (a) $25,957; Oak Engineering & Contracting Co., (b) $30,376.

The following bids were the lowest bids received by the President of the Borough for constructing sewers: Atlantic Ave., Paino Bros., $16,894; Ridge St., Peace Bros., $12,096; Ashland St., Paino Bros., $6107; Payntar Ave., Peace Bros., $5982; Toledo St., Clancy & Van Alst, $20,213.

✚Oneonta, N. Y.—(Official)—The contract for constructing storm and sanitary sewers has been awarded by the City Council to GEORGE SEROFINI, 10 Fayette St., Binghamton, N. Y., at $4673. Other bids were: Ingalls Stone Co., Oneonta, N. Y., $6569; S. G. Puccio, Oneonta, $6376; R. F. Relly, St. Johnsville, N. Y., $6536. S. H. Close is City Clk.

★Patchogue, L. I., N. Y.—(Official)—Bids will be received by Edward B. Woodruff, Village Clk., until Sept. 1, for constructing a storm water sewer, and curb and gutter. Emmett F. Smith is Engr.

Syracuse, N. Y.—The Intercepting Sewer Commission has directed Glenn D. Holmes, Chief Engr., to prepare plans for the proposed sewage disposal plant.

Gloucester City, N. J.—It is reported that bids will be received by the City Clerk, until Sept. 3, for constructing a 12-in. terra cotta pipe sewer in South Fillmore St.

Verona, N. J.—(Official)—Clyde Potts, Consult. Engr., 30 Church St., New York, N. Y., and Frank Crane, Borough Engr., Verona, are preparing plans for sewerage and sewage disposal works, estimated to cost $130,000. Thomas E. Brooks is Borough Clk.

North Wales, Penn.—Remington & Vosburg, Camden, are completing plans for the proposed sewer system and disposal plant. Theestimated cost is $40,000. Ralph Schafenarker is Borough Clk.

Williamsport, Penn.—Bids will be received until noon, Aug. 21, by John G. Reading, Secy. Brandon Park Commission, Trust Bldg., for constructing 690 ft. 33-in. segment block stone sewer.

✚★Washington, D. C.—(Official)—The contract for sewer construction has been awarded by the District Commissioners to W. F. CUSH & WARREN F. BRENIZER CO., Washington. Warren E. Garges is Chief Clk. Noted July 30.

Atlanta, Ga.—The City Council contemplates the construction of a sanitary sewer in the tenth ward, to cost about $8000.

✚Anniston, Ala.—The contract for constructing sanitary sewers has been awarded by the Board of Aldermen to L .O. SCRUGGS, Birmingham, at about $8000.

✚Belzoni, Miss.—The contract for constructing about three miles of sanitary vitrified pipe sewers, 8- to 12-in., including manholes, etc., has been awarded by the Mayor and Board of Trustees, to BASH & GRAY, Joplin, Mo., at about $17,000. Noted July 23.

✚Oakdale, Ky.—The contract for constructing a reinforced concrete sewer has been awarded by the City Council to the MIDDLETOWN CONSTRUCTION CO., Middletown, Ky., at $18,099. Noted July 23.

Cleveland, Ohio.—Bids will be received by the Commission of Purchases & Supplies until noon, Aug. 27, for constructing sewers in East 152d St., School Ave., Whitcomb Ave. and Coit Road. Robert Hoffman is City Engr.

Greenville, Ohio—The City Council contemplates the construction of a sewage disposal plant to cost about $40,000.

Newark, Ohio—The lowest bid submitted for constructing the storm sewer on South William St. was from Henderson Bros, at $6338.

Salem, Ohio—The City Council will construct sanitary sewers in Evans and Union Sts.

Toledo, Ohio—The Public Improvement Commission has authorized Herbert McKechnie, City Engr., to prepare plans for an intercepting sewer to be constructed along the south bank of Ten Mile Creek.

Zanesville, Ohio—Bids will be received by the Board of Public Service, until Aug. 24, for constructing a storm and sanitary sewer in Lake Drive. H. J. Voll is City Clk.

Indianapolis, Ind.—The Board of Public Works contemplates the construction of a sewer in Central Ave., from 38th St. to 50th St., estimated to cost $157,000.

Carlyle, Ill.—Bids received by the Board of Local Improvements for constructing sewers in District No. 2 have been rejected. The work will be readvertised. Noted July 16.

Winnetka, Ill.—(Official)—The following bids were received by the Village Council for constructing the Northeast Storm Sewer: William Heggie, Joliet, Ill., $53,862; William Davidson, 738 10th St., Wilmette, Ill., $53,881; E. R. Harding & Co., Racine, Wis., $57,280; Nash-Dowdle Co., Chicago, Ill., $57,794; C. T. Bartlett, 827 Greenleaf St., Evanston, Ill., $60,718. Windes & Marsh are Engrs.

✚Appleton, Wis.—The contract for constructing sewer extensions in Story and Commercial Sts. has been awarded to JOHN DETTMAN CO.

✚Burlington, Wis.—(Official)—The contract for constructing sanitary and storm sewers has been awarded to C. E. REED, Burlington, Wis. J. C. Johann is City Clk. Noted Aug. 6.

✚Chippewa Falls, Wis.—The contract for constructing sewers in Mansfield and Willow Sts. has been awarded to the CAST STONE CONSTRUCTION CO., Eau Claire, Wis., at about $5000.

✚West Allis, Wis.—(Official)—The contract for constructing lateral sewers in 13 streets has been awarded to A. H. PITZ, Manitowoc. E. G. Orbert is City Engr. Noted July 23.

Algona, Iowa—(Official)—Bids will be received by S. W. Crowell, City Clk., until Aug. 24, for constructing sanitary sewers in various streets. Theodore S. De Lay, Creston, is Engr. in Charge.

✚Centerville, Iowa—(Official)—The contract for constructing sewage filters, dosing chamber, etc., has been awarded to J. W. MANSON, Centerville, at $12,932. The only other bid was from B. S. Staley, at $14,932. P. A. White is City Clk. Noted July 30.

✚Chariton, Iowa—(Official)—The contract for constructing the sewer system has been awarded by the City Council to the J. W. TURNER IMPROVEMENT CO., Des Moines, Iowa, at about $110,000. The work calls for about 18½ miles of 8- to 30-in. sewers and four disposal plants. G. J. Gittinger is City Clk. Noted July 30.

✚Clarion, Iowa—The contract for constructing the sewer system has been awarded to GEORGE COLLINS, Omaha, Neb., and ZITTERELL & SULLIVAN, Webster City, Iowa. Noted July 9.

Creston, Iowa—(Official)—The city contemplates the construction of sewers in various streets. J. F. Golden is City Clk. Theodore S. De Lay is City Engr.

✚Dyersville, Iowa—The contract for constructing the extension of the sewer system has been awarded to J. R. DANIELS, Dubuque, Iowa, at $5016. M. Tshirgi & Sons are the Engrs. Noted July 30.

+Ada, Minn.—The contract for sewer construction has been awarded to WILLIAM B. BOSWORTH, at $33,905. Burns & McDonnell are Engrs.

+Rochester, Minn.—(Official)—The contract for constructing about 1½ miles of 10- to 15-in. sanitary sewers has been awarded to WILLIAM C. FRASER, St. Paul, Minn. William O. Sullivan is City Clk. Noted July 30.

+St. Cloud, Minn.—The City Commission has awarded the contract for constructing a sewer in the North End to the THILL, MANNING & WHALEN CO., La Crosse, Wis., at $5846.

Warren, Minn.—Bids will be received until 8 p.m., Aug. 21, by G. O. Cross, for constructing an extension to the sewer system and building Imhoff tanks and filter beds.

Benson, Neb.—It is reported that bids will be received by the City Clerk until Aug. 24, for constructing a main sewer and sewage disposal plant. P. A. Edquist, Omaha, Neb., is Engr.

Ravenna, Neb.—(Official)—Bids will be received by C. Bass, City Clerk, until Aug. 31, for constructing a sanitary sewer system. Grant & Fulton, Second Mutual Bldg., Lincoln, are the Engrs.

Helena, Mont.—Plans are being prepared by William Jordan, Jr., City Engr., for constructing 8- and 30-in. vitrified pipe sewers, to cost about $15,000.

+Hannibal, Mo.—The contract for constructing sewers in Sewer District No. 300 has been awarded to FRANK L. HALL, at $25,400. B. F. Smiley is City Engr. Noted July 23.

Higginsville, Mo.—The city contemplates the construction of two septic tanks and sewers in various streets.

+St. Louis, Mo.—According to press reports, the Board of Local Impovements has awarded the following sewer contracts: For constructing South Gravois sewer No. 1, HOGAN CONTRACTING CO., $19,194, also Steins St. point district sewer, at $50,913; Florissant Ave. sanitary sewer, WILLIAM F. RILEY CONSTRUCTION CO., $12,668, and Clifton Heights sewer No. 1, KAMP ENGINEERING & CONSTRUCTION CO., at $13,696. Noted July 23 and July 30.

+St. Louis, Mo.—The contract for constructing Sec. 1 and 2 of the Mill Creek sewer has been awarded to the CARTER CONSTRUCTION CO., 42 Broadway, New York, N. Y., at about $1,400,000 and $1,672,000, respectively. Noted Aug. 3.

Glenwood, Ark.—See item under "Water Supply and Irrigation."

+Fort Bliss, Tex.—The contract for constructing the sewer and water system has been awarded to MAYFIELD & SHAW, El Paso, at $15,160.

San Antonio, Tex.—(Official)—Bids will be received by Frederick Fries, City Clerk, until 4 p.m., Sept. 7, for constructing sanitary sewers. The work calls for about 30,000 lin.ft. of 8-in, 1800 ft. of 12-in., 2460 ft. of 18-in., 2610 ft. of 20-in. sewers.

+Seattle, Wash.—It is reported that the contract for constructing sewers in 42d Ave. has been awarded to DAHLSTROM & RODAL, 2437 West 56th St. Noted Aug. 13.

+Seattle, Wash.—The contract for constructing sewers in Seventh Ave., North has ben awarded to JOHN ALLEMANDI, at $6461.

Fairfax, Calif.—Fairfax Park is being surveyed for subdivision, and streets, sidewalks and sewers to cost about $100,000 will be constructed. E. J. Morser, Monadnock Bldg., San Francisco, is Engr. in charge.

+Long Beach, Calif.—The contract for constructing a sewer system has been awarded by the Board of Public Works to the ARTHUR S. BENT CONSTRUCTION CO., Central Bldg., Los Angeles, Calif. Noted July 9 and Aug. 13.

Richmond, Calif.—H. D. Chapman, City Engr., has completed plans for extending the sewer system in the western section of the city. The estimated cost is $50,000.

San Diego, Calif.—The city will construct a sewer along the east slope of Point Loma, to cost about 10,000.

San Francisco, Calif.—According to press reports the Board of Public Works has ordered the construction of sewers in 38th Ave., between Balboa and Cabrillo Sts., Irving St., between 47th and 48th Aves., and Seventh Ave., between Kirkham and Lawton St.

+San Francisco, Calif.—(Official)—The contract for constructing the Baker's Beach outlet sewer has been awarded to R. C. STORRIE & CO., San Francisco, at $23,660. Noted incorrectly in issue of Aug. 13. Noted Aug. 6.

Vallejo, Calif.—Bids were received by the City Council for extending the sewer system, under Harbor Project No. 2, from Michael Murphy at $29,350, and A. W. Caro at $33,220.

GARBAGE

New York, N. Y.—(Official)—Bids will received until noon, Aug. 21, by J. T. Fetherston, Comr. of Street Cleaning, Municipal Bldg., Borough of Manhattan, for the removal of snow and ice during the winter season of 1914-15 in the boroughs of Manhattan, Brooklyn and the Bronx.

+Columbus, Ohio—The city has awarded the contract to E. H. LATHAM, Columbus, for the construction of an incinerator, at $18,140.

Neenah, Wis.—The city plans to construct a garbage disposal plant.

Santa Cruz, Calif.—The City Commissioners, July 28, opened bids as follows for a garbage incinerator: Migelirium Bros., $7200; Universal Engineering Co., $16,000; Z. O. Field, $7965.

STREETS AND ROADS

+Boston, Mass.—The contract for constructing an asphalt macadam roadway in Clement Ave., West Roxbury District, has been awarded to the WEST ROXBURY TRAP ROCK CO., at $5324. Other bids were: James Doherty, $5639; Martino De Matteo, $6123; John Kelly Co., $6341; Thomas F. Minton, $6900; William J. Rafferty Co., $7030. Noted Aug. 6.

Bids will be received by the State Highway Commission until Aug. 25, for constructing 4200 lin.ft. of road in Uxbridge. Arthur W. Dean, 15 Ashburton Pl., is Chief Engr.

Norwalk, Conn.—Bids will be received by Charles J. Bennett, State Highway Comr., until 2 p.m., Aug. 24, for constructing a section of amiesite and brick pavement.

Norwalk, Conn.—An appropriation of $11,000 has been voted by the City Council for paving South St. between Meadow St. and the Washington St. Bridge with wood blocks.

+Windsor, Conn.—A contract for constructing about eight miles of concrete walks has been awarded to BAKER & LASHER, INC., New Britain, Conn., at approximately $17,000.

★Albany, N. Y.—(Official)—Bids will be received by John N. Carlisle, State Highway Comr., until 1 p.m., Sept. 1, for improving and repairing highways in various counties. For particulars, see advertisement under "Contracts to Be Let."

Albany, N. Y.—Bids were received by the the State Highway Commission, 55 Lancaster St., Aug. 17, for the construction of public highways by State Aid as follows:

Road No. 5483, Wellsville Villege, Allegheny County, 0.76 mile—Lawrence Schultz, Fredonia, $29,467; Ballard & Nolan, Oneida, $29,305; John Johnson Construction Co., Buffalo, $27,744; Sullivan Construction Co., Syracuse, $29,195; Robert W. Hesson, Geneva, $28,332; McLaughlin & Burchill, Syracuse, $29,746, and six others.

Road No. 5491, Prattsville-Ashland, Green County, 5.18 miles—John I. McDonald Contracting Co., Poughkeepsie, $52,861; Joseph Walker Costruction Co., Albany, $49,180; Gruner & Hallenbeck, Harriman, $48,324; H. L. Baker, Cambridge, $52,759; Samuel Beskin, Beacon, $47,982; Catskill Construction Co., Catskill, $47,857; De Graff & Hogoboom Inc., Kingston, $52,012, and two others.

Road No. 5210, Middletown-Bloomingburg, Orange County, 0.18 mile—Schunnemunk Construction Co., Highland Mills, $2236; Jackson Bros., Cuddebackville, $2430.

Road No. 5318-A, Camillus-Fairmount, Part 1, Onondaga County, 0.15 mile—E. H. Brown, Hempstead, $3630; Phelan & Sullivan, Utica, $3,689; Charles E. Hovey, Camillus, $4298; J. W. Brennen Construction Co., Inc., Geneva, $3542; Gaffey & Byrnes, Syracuse, $4135.

Road No. 5352-B, Arkport-Dansville, Steuben County, 0.91 mile—Atlanta Construction Co., Atlanta, $3170; Schroeder-Hicks Contracting Co., Rochester, $3087; Kennedy Construction Co., Albany, $2755

Road No. 5253-B, Jasper-Addison, Steuben County, 5.71 miles—Gaffey & Burns, Syracuse, $24,252; Schroeder-Hicks Contracting Co., Rochester, $26,404; William F. Woods Construction Co., Syracuse, $24,904.50; I. M. Luddington Sons, Inc., Rochester, $25,896; Atlanta Construction Co., Atlanta, $26,981; J. W. Brennan Construction Co., Geneva, $26,926, and one other.

Road No. 5253-D, Jasper-Addison, Steuben County, 6.99 miles—William F Woods Construction Co., Syracuse, $42,552; Atlanta Construction Co., Atlanta, $43,634; Kennedy Construction Co., Albany, $38,171; J. W. Brennen Construction Co., Inc., Geneva, $42,724; T. H. Gill Co., Laceyville, Pa., $42,837.

Road No. 5509, Winthrop-North Lawrence, St. Lawrence, 5.81 miles—Spellman-Oliver Co., Chateaugay, $89,741; E. T. Eggleston, Yonkers, $87,343; Richard Hopkins, Troy, $87,768; Weed & Walsh, Mechanicville, $87,061; Ross, Hallenbeck Construction Co, Copenhagen, $89,543; A. J. Rockwood, Rochester, $91,089; E. H. Brown, Hempstead, $89,830.

Road No. 5508, Old Post, Part 4, Ulster Co., 4.80 miles—Samuel Beskin, Beacon, $77,965; S. B. Van Wagonen, Inc., Rondout, $76,678.50; Carania Construction Co., Troy, $73,372.50; Price & Tripp, Inc., White Plains, $74,045.50; King Bros., New York City, $76,054.76; Henry McNamee, Eddyville, $74,406.25, and six others

Road No. 5363, Peekskill Village, Westchester County, brick, 0.94 mile—John J. Hart, Peekskill, $32,648; Joseph Johnson Sons, New Brighton, $34,413; Ballard & Malar, Oneida, $34,235; Gifford Construction Co., Jamaica, $33,408; C. D. Dean, Albany, $31,969; William F. McCabe Construction Co., White Plains, $31,870, and three others.

Road No. 5332-A, Lowville-Carthage, Jefferson County, 0.76 mile—Thomas O'Brien, Watertown, $21,102; E H. Brown, Hempstead, $20,512; Ballard & Mahar, Oneida, $19,050; John Davis, Syracuse, $20,237.

Road No. 1165, Theresa-Philadelphia, Part 1, Jefferson County, 3.53 miles—E. H. Brown, Hempstead, $44,427; Richard Hopkins, Troy, $45,444; Monroe Roads Co., Pittsford, $47,641; Thomas O'Brien, Watertown, $46,823

Road No. 1181, Adams Village, Railroad St., Jefferson County, 1.45 miles—A. J. Rockwood, FRochester, $16,931; Thomas Murray, Leroy, $18,931; E. H. Brown, Hempstead, $17,923.

The following bids were received by the State Highway Commission, Aug. 17, for the repair of public highways by State Aid:

Repair Contract No. 685, Road No. 432, Rhinebeck-Hyde Park, Dutchess County, Henry McNamee, Eddyville, $13,097; Bridgeport Construction Co., Poughkeepsie, $13,836; Thomas J. Martin, Beacon, $13,401; DeGroff & Hogoboom, Kingston, $14,039; William Doyle, Saugerties, $13,044; James P. Donohue, New York City, $13829; James L Kehoe, Newburgh, $13,835, and two others.

Repair Contract No. 667, Road No. 5092, Red Hook-Rhinebeck, Dutchess County—M. W. McVeigh, Long Island City, $9508; James L. Kehoe, Newburg, $9728; Crowe & Walsh, Pittsfield, Mass., $9106; Thomas J. Martin, Beacon, $9300; William Doyle, Saugerties, $9568; Henry McNamee, Eddyville, $9193. and four others.

Repair Contract No 668, Road No. 841, Crown Point-Point Henry, Essex County, Defiance Corporation, Ticonderoga, $7652; Richard Hopkins, Troy, $7495; Flood & Van Wirt, Hudson Falls, $8243; Jos. F. Scanlon, Delmar, $7230; James Conway, Plattsburgh, $8491.

Repair Contract No. 507, Road No. 891, Ticonderoga-Crown Point, Part 1, Essex County, James P Scanlon, Delmar, $13,494; Defiance Corporation, Ticonderoga, $14,380; James Conway, Plattaburgh, $14,951; Flood & Van Wirt, Hudson Falls, $15,038; Richard Hopkins, Troy, $14,235.

Repair Contract No 686, Essex County—Boynton & McNally, Keesville, $14,594; W. L. Lawton, Glens Falls, $14,088; Flood & Van Wirt Co., Hudson Falls, $14,321.

Repair Contract No. 682, Road No 541, Mayfield-Northville, Part 2, Fulton County; Road No. 5065, Northville Village-North; Road No. 362, Northville-Chapman's Corners—R. D. Cooper, Little Falls, $18,085; H. W. Roberts & Co., Utica, $18,527; Hines Bros. & Welsh, Gloversville, $18,403; John P. Duggan & Co., Amsterdam, $17,467; Champlain Engineering and Construction Corporation, Saratoga Springs, $17,115.

Repair Contract No 486, Road No. 853, Batavia-Elba, Genesee County—Arthur J. Shaw, Batavia, $13,304; Casey & Thompson, Batavia, $12,868; Wood & Tompkins, Hilton, $14,139; Schroeder-Hicks Contracting Co., Rochester, $12,930; Bonney & Hamilton, Rochester, $14,013.

Repair Contract No. 575, Road No. 796, Greeneville-Coxsackie, Part 1, Greene County—Crowe & Walsh, Pittsfield, Mass., $10,935; DeGroff & Hogoboom, Kingston, $10,762; James P. Donohue, New York City, $18,939; Catskill Construction Co., Catskill, $11,573.

Repair Contract No. 683, Noad No. 6, Ridge, Part 1, Monroe County—C. D. Dean, Albany, $21,580; John Johnson Construction County, Buffalo, $21,170; Frank V. Brotsch Co., Rochester, $20,825; Morrison & Quinn, Rochester, $20,050; Whitmore, Rauber & Vicinius, Rochester, $21,150; Ribstein-Holter Co., Inc., Rochester, $21,275, and three others.

Repair Contract No. 687, Road No. 6, Kerr St.-Subway & approaches, Monroe County—Whitmore, Rauber & Vicinius, Rochester, $16,425; Morrison & Quinn, Rochester, $15,691; John Johnson Construction Co., Buffalo, $16,433; Frank V. Brotsch Co., Rochester, $16,242; Ribstein-Holter Co., Inc., Rochester, $16,644; Schroeder, Hicks Contracting Co., Rochester, $16,191, and one other.

Repair Contract No. 671, Road No. 641, Schenectady-Rotterdam Junction, Schenectady County—John P. Duggan & Co, Amsterdam, $13,034; John H. Gordon, Albany, $11,633; Patrick H. Murray, Troy, $12,358; J. J. Malloy, Schenectady, $11,957; J. P. Scanlon, Delmar, $12,199; Ford & Greene, Schenectady, $12,494, and one other.

Repair Contract No. 689, Road No. 625, Theresa-Antwerp, Part 1, Jefferson County—Burns Bro. & Halley, Watertown, $14,565; Thomas O'Brien, Watertown, $13,095; Ballard & Mahar, Oneida, $12,309; Ruddy-Saunders Construction Co., Troy, $14,509.

Repair Contract No. 684, Road Nos. 86, 88, 627, 628,6054. Class of work: sweeping, furnishing and applying high-carbon tar. Erie County—Richard Hopkins, Troy, per sq.yd., $0.0294; Defiance Corporation, Ticonderoga, per sq.yd., $0.027; De Barber & Hill, Fulton, per sq.yd., $0.11.

Middletown, N. Y.—Street improvement bonds for $10,000 were sold Aug. 5.

Bayonne, N. J.—Bids will soon be received for improving Avenue A from North St. to 31st St.

Jersey City, N. J.—The City Commissioners will soon receive bids for repaving Jewett Ave.

✚Newark, N. J.—The contract for paving Broad St., from South St. to Poinier St., with asphalt block has been awarded to the HASTINGS PAVEMENT CO., at about $38,908.

West Hoboken, N. J.—The Town Council will soon receive bids for paving Palisade Ave. from the Patterson Plank Road to Weehawken St.

✚West Hoboken, N. J.—The contract for the improvement of Angelique St., West Hoboken was recently awarded to NOLAN & HORNUNG, 711 DuBois St., West Hoboken.

✚West New York (Weehawken Post Office), **N. J.**—Contracts for improving 19th St., from Hudson Ave. to Park Ave., and Sixth St., from Bergenline Ave. to Park Ave., have been awarded to the CLINTON CONSTRUCTION CO., West Hoboken, N. J. Noted Aug. 6.

Berwick, Penn.—(Official)—Bids will be received by the Borough Council until 8 p.m., Aug. 24, for improving Market St. from Front St. to Cemetery St. F. N. Ritter is Secy.

✚Duryea, Penn.—The contract for paving Main St. has been awarded to O'BRIEN BROS., at $44,900.

Harrisburg, Penn.—(Official)—Bids will be received by the Department of State Highways until 10 a.m., Sept. 1, for reconstruction work in the following counties: 5806 lin.ft. in Galeton Borough, Porter County; 4257 lin.ft. in New Eagle Borough, Washington County; 17,820 lin.ft. in Union Township and Finleyville Borough, Union County; 15,063 lin.ft. in Franklin Township, Greene County; 18,272 lin.ft. in South Hanover and Derry Townships, Dauphin County; 1393 lin.ft. in Duryea Borough, Luzerne County; 8552 lin.ft. in West Berwick Borough, Columbia County; 5200 lin.ft. in Bigler Township, Clearfield County. Edward M. Bigelow is State Highway Comr.

✚Spangler, Penn.—The contract for paving portions of Bigler Ave. and North 17th St. from Bigler to Crawford Ave. has been awarded to POLO AZZARA, Barnesboro, at $8164. Other bids were: J. A. Lord, Hastings, $8376; John Dandrea & Co., $9373; C. F. Wilson & Co., $11,899.

Union City, Penn.—(Official)—Bids will be received by City Council until 8 p.m., Aug. 26, for grading, curbing and paving a portion of West High St. with brick.

Wheatland, Penn.—Bids will be received by F. L. Hutchison, Secy. of the Borough until noon, Aug. 25, for grading and improving Mercer Ave and Church St.

Baltimore, Md.—Bids will be received by the Board of Awards, at the City Register's office, City Hall, until Aug. 26, for the construction of No. 1 Road, contract 32, improvement of Gunpowder Supply, consisting of 1.4 miles macadam or concrete road surfacing.

Bluefield, W. Va.—(Official)—Bids will be received by the Board of Affairs until noon, Aug. 25, for paving Fourth, Third, Chestnut and South Mercer Sts. with bituminous macadam, on concrete base and constructing concrete curbs and gutters.

✚Birmingham, Ala.—A contract for grading and macadamizing Avenue N, Ensley, on the South Ensley Highlands, has been awarded to TONY & LAWLER, at about $10,000.

Linden, Ala.—Bids will be received by the County Commissioners until Aug. 24, for grading, draining and surfacing 2½ miles of road.

✚Bay St. Louis, Miss.—A contract for delivering and placing 300,000 bbl. of shells has been awarded to A. J. McLEOD, Kiln, Miss., at $0.08 per bbl.

Tupelo, Miss.—The citizens recently voted to issue bonds for $40,000, the proceeds of which will be used for street improvements.

Port Allen, La.—The citizens of West Baton Rouge parish wil vote Sept. 10 on the proposition of issuing $75,000 in bonds to construct roads in District No. 1.

Louisville, Ky.—Bids will be received by the Board of Public Works until Aug. 24, for paving portions of Preston, Second, Ninth and several other streets.

✚Louisville, Ky.—The contract for constructing Coral Ave. has been awarded to the AMERICAN STANDARD ASPHALT CO., Luisville.

★Nicholasville, Ky.—The contract for reconstructing Main St. has been awarded to the CAREY-REED CONSTRUCTING CO., Lexington. Noted Aug 6.

Canal Dover, Ohio—Contracts have been readvertised and bids will be received by W. E. Sykes, Dir. of Pub. Ser., about Aug. 31, for paving Second St., Slinguff and Arnold Aves.

Cincinnati, Ohio—(Official)—Bids will be received by the Board of Park Commissioners until noon, Aug. 24, for grading Section 3 of the Bloody Run Parkway.

(Official)—Bids will be received by Phil Fosdick, Dir. Pub. Ser., until noon, Aug. 24, for paving St. James Ave. from Curtis St. to Windsor St., with brick.

Cincinnati, Ohio—(Official)—Bids will be received by Philip Fosdick, Dir. of Pub. Ser., until noon, Aug. 24, for improving Burnett Ave., from Elland Ave. to Goodman St.

Cleveland, Ohio—(Official)—Bids will be received by the Board of Commissioners of Cuyahoga County until 10 a.m., Sept. 2, for the improvement of a portion of the Cook Road. E. G. Krause is Clk. to the Board.

✚Columbus, Ohio—The State Highway Department awarded contracts as follows:

Ashtabula County—Niles-Ashtabula Road, concrete, T. P. FITZGERALD, Ashtabula, $78,862.

Auglaize County—Sect. B, Piqua-St. Mary's Road, waterbound macadam, G. W. COWLEY, Celina, $14,000.

Butler County—Sect. 3, Hamilton-Middletown Road, brick, JOHNS & SON, Trenton, $38,191.

Carroll County—Canton-Steubenville Road, waterbound macadam, WISE BROS., Canton, $18,900.

Clark County—Springfield-Washington C. H. Road, waterbound macadam, GRAHAM & KINNEAR, Columbus, $26,548.

Clermont County—Cincinnati-Batavia Road, award withheld.

Clermont County—Ohio River Road, award withheld.

Clermont County—Cincinnati-Chillicothe Road, award withheld.

Clermont County—Bethel-Chilo Road, award withheld.

Clermont County—Cincinnati-West Union Road, award withheld.

Columbiana County—Unity-Salem Road, award withheld.

Crawford County—Sect. 1, Bucyrus-Tiffin "C" Road, brick, L. R. McMICHAEL, Bucyrus, $19,790.

Crawford County—Sect. 1, Bucyrus-Plymouth Road, brick, L. R. McMICHAEL, Bucyrus, $20,900.

Crawford County—Sect. "E," Bucyrus-Crestline Road, brick, L. R. McMICHAEL, Bucyrus, $21,990.

Delaware County—Sect. 1, Columbus-Wooster Road, brick, GILL & ROOF, Sunbury, $4399.

Delaware County—Sect. 1, Delaware-Mt. Gilead Road, brick, CHARLES W. RIDDLE, Delaware, $4913.

Delaware County—Sect. 1, Sunbury-Mt. Gilead Road, waterbound macadam, MACK GLEDHILL, Galion, $25,300.

Fayette County—Sect. "E," Springfield-Washington Road, brick, MACK & VAN GUNDY, Washington Court House, $16,655.

Fayette County—Sect. "D," Washington-London Road, brick, MARK & VAN GUNDY, Washington Court House, $16,499.

Fulton County—Toledo-Wauseon Road, bituminous macadam, PETER H. DRUM, Swanton, $36,974.

Fulton County—Wauseon-Morenci Road, waterbound macadam, NATIONAL LIME & STONE CO., Carey, $8975.

Fulton County—Archbold-Fayette Road, waterbound macadam, JONATHAN NOFZIGERM, Wauseon, $11,650.

Gallia County—Gallipolis-Ironton Road, brick, JONES & MILLER, Patriot, $15,605.

Geauga County—Cleveland-Meadville Road, concrete, SHERMAN DEGROODT, Youngstown, $35,000.

Geauga County—Cleveland-Meadville Road, concrete, DAVID LOENSOHN, Kent, $29,950.

Greene County—Dayton-Springfield Road, no bids.

Guernsey County—Sect. "D," Cambridge-Coshocton Road, concrete, MALLERNEE & KELLEY, Freeport, $10,900.

Guernsey County—National Road, brick, award withheld.

Hancock County—Findlay-Bowling Green Road, waterbound macadam, GRAY BROS., Bowling Green, $14,700.

Hancock County—Findlay-Carey Road, waterbound macadam, O. A. PARKER, Van Lin, $9900.

Harrison County—Dennison-Cadiz Road, concrete, no bids.

Hardin County—Roundhead-McGuffey Road, concrete and brick, no bids.

Henry County—Sect. 1. Holgate-Keifersville Road, waterbound macadam, WESTRICK & LINE, Holgate, $17,100.

Hocking County—Chillicothe-Logan Road, waterbound macadam, no bids.

Hocking County—Logan-New Lexington Road, waterbound macadam, E. C. RADEBAUGH, Logan, $12,472.

Holmes County—Sect. 5, Millersburg-Canal Dover Road, waterbound macadam, no bids.

Huron County—Plymouth-Norwalk Road, concrete, McGERRY & SPARKS, Lansing, Mich., $12,100.

Huron County—Monroeville-Chicago Junction Road, concrete, MODERN CONSTRUCTION CO., Fremont, $16,863.

Huron County—Ashland-Norwalk Road, concrete, award withheld.

Jackson County—Jackson-Ironton Road, waterbound macadam, McCOY BROS. & KELLER, Jackson, $29,416.

Knox County—No. 1 "F" Mt. Vernon-Coshocton Road, brick, E. N. TURNER, Logan, $23,600.

Lawrence County—Ohio River Road, concrete, JOHN M. CAPPER, Kitts Hill, $12,240.

Licking County—Sect. 1, Columbus-Millersburg Road, waterbound macadam, award withheld.

Licking County—Sect. 2, Summit Sta. Ext. Road, waterbound macadam, VOGELMEYER BROS., Newark, $8526.

Logan County—Sect. C, Bellefontaine-Kenton Road, waterbound macadam, LUNSFORD & EVANS, Pedro, $15,997.

Logan County—Bellefontaine-Richwood "A" Road, waterbound macadam, DALLY, BELL & CONKLETON, West Mansfield, $16,200.

Logan County—Urbana-Bellefontaine Road, waterbound macadam, LUNSFORD & EVANS, Pedro, $16,300.

Lorain County—Oberlin-Norwalk Road, concrete, J. C. McGARRY CO., Baltimore, Md., $10,800.

Mahoning County—Akron-Youngstown Road, waterbound macadam, GALLAGHER & AARON, Youngstown, $25,946.

Mahoning County—Sect. 1, North Lima-Palestine Road, brick, KENNEDY BROS., Youngstown, $52,043.

Marion County—Sect. 2, Marion-Delaware Road, waterbound macadam, C. S. OWENS, Owens, $5750.

Marion County—Sect. 1, Marion-Galion Road, waterbound macadam, J. M. HAMILTON, Marion, $19,300.

Marion County—Sect. "E," Marion-Kenton Road, waterbound macadam, A. J. BRADY, Marion, $34,998.

Medina County—Barberton-Greenwich Road, brick, H. F. GREEN, Ravenna, $12,726.

Medina County—Barberton-Greenwich Road, concrete, GROVER C. WOODS, Lodi, $8929.

Medina County—Barberton-Greenwich Road, concrete, ELYRIA CONCRETE CO., Elyria, $8995.

Meigs County—Sect. "K," Pomeroy-Marietta Road, brick, GEORGE BAUER, Pomeroy, $16,700.

Meigs County—Sect. "J," Athens-Pomeroy Road, brick, GEORGE BAUER, Pomeroy, $15,500.

Monroe County—Sect. "F," Woodsfield-Sisterville Road, brick, HASTINGS & PATTON, Woodsfield, $27,485.

Morrow County—Sect. 3, Mt. Gilead-Delaware Road, waterbound macadam, SCOTT BROS., Marion, $26,662.

Muskingum County—Sect. C, South River Road, bridge, BROOKVILLE BRIDGE CO., Brookville, $2184.

Muskingum County—Sect. 1, Zanesville-Otsego Road, brick and concrete, ALBERT ADAMS & SON, Zanesvile, $17,750.

Ottawa County—Fremont-Pt. Clinton Road, waterbound macadam, GRAY BROS., Bowling Green, $19,970.

Paulding County—Paulding-Woodburn Road, waterbound macadam, HENRY G. ZELLER, Swanton, $25,425.

Perry County—Newark-New Lexington Road, brick, SWANK & McINTYRE, Dayton, $129,000.

Perry County—Sect. 1, Lancaster-New Lexington Road, brick, BEATRICE KIENER, Moxahala, $24,812.

Pickaway County—Circleville-London Road, concrete and waterbound macadam, OATHER M. JUNK, Chillicothe, $23,650.

Pike County—Hillsboro-Piketon Road, concrete and waterbound macadam, no bids.

Portage County—Sect. 1, Painesville-Ravenna Road, concrete, MORGAN BROS., Ravenna, $22,744.

Preble County—Dayton-Indianapolis Road, concrete and surface-treated macadam, H. M. CURRY & CO., Eaton, $17,495.

Richland County—Sect. J. Mansfield-Shelby Road, concrete and cinders, J. W. RUST CONSTRUCTION CO., Mansfield, $33,000.

Richland County—Sect. 2, Mansfield-Norwalk Road, waterbound macadam, J. W. RUST CONSTRUCTION CO., Mansfield, $23,500.

Scioto County—Ohio River Road, brick, S. MONROE & SON CO., Portsmouth, $20,798.

Seneca County—Sect. 2, Lima-Sandusky Road, waterbound macadam, KNEPPER & YUNDT, Tiffin, $13,173.

Seneca County—Tiffin-Republic Road, waterbound macadam, LEE BROS., Clyde, $8700.

Seneca County—Lima-Sandusky Road, waterbound macadam, SOUDER & PETER, Fostoria, $9650.

Seneca County—Fostoria-Carey Road, waterbound macadam, KNEPPER & YUNDT, Tiffin, $5022.

Seneca County—Upper Sandusky-Bellevue Road, waterbound macadam, KNEPPER & YUNDT, Tiffin, $26,999.

Summit County—Cleveland-East Liverpool Road, brick, no award.

Trumbull County—Youngstown-Cleveland Road, brick, award withheld.

Trumbull County—Sect. 2, Cleveland-Youngstown Road, brick, L. I. FLETCHER, Kent, $66,026.

Trumbull County—Sect. 1, Youngstown-Sharon Road, brick, KENNEDY BROS., Youngstown, $61,656.

Trumbull County—Chagrin Falls-Greenville Road, waterbound macadam, no bids.

Van Wert County—Van Wert-Ottawa Road, waterbound macadam, MUSTARD BROS., Ada, $13,992.

Van Wert County—Van Wert-Rockford Road, waterbound macadam, MUSTARD BROS., Ada, $8735.

Washington County—Sect. J, Ohio River Road, concrete, CISLER & MORSE, Marietta, $15,559.

Williams County—Sect. 3, West Unity-Montpelier Road, waterbound macadam, KELLY CONSTRUCTION CO., Bryan, $20,600.

Wood County—Sect. 1, Toledo-Perrysburg Road, brick, MODERN CONSTRUCTION CO, Fremont, $44,444.

Wyandot County—Sect. 3, Upper Sandusky-Marion Road, waterbound macadam, JOHN P. BRADY, Morral, $20,013.

Cuyahoga County—Cleveland-Wooster Road, waterbound macadam and brick, CLEVELAND TRINIDAD PAVING CO., Cleveland, $51,301.

Franklin County—National (West) Road, brick and concrete, no bids.

Franklin County—National (East) Road, brick and concrete, no bids.

Franklin County—Columbus-Washington C. H. Road, brick and concrete, no bids.

Montgomery County—Sect. D, Dayton Valley Pike, surfacing with tar and screenings, FRANK TEJAN, Dayton, $2222.

Sandusky County—Fremont-Perrysburg Road, waterbound macadam, award withheld.

Vinton County—Sect. A, Chillicothe-McArthur Road, repaving with waterbound macadam, KUHNER & KING, McArthur, $9069.

Marion County—Sect. F, Columbus-Sandusky Road, repaving with waterbound macadam, SCOTT BROS., Marion, $11,783.

✚Defiance, Ohio—The contract for paving Second St has been awarded to the ASPHALT BLOCK PAVING CO., Toledo, at $32,000. Noted July 30.

✚East Liverpool, Ohio—The contract for paving a wharf has been awarded to RINEHARDT BROS at approximately $9000.

✚Ottawa, Ohio—(Official)—A contract for paving 5851 sq.yd. with medal wire cut block, concrete foundation and concrete filler has been awarded to H. S. ENCK, Lima, at $14,631. Noted July 23.

✚Piqua, Ohio—The contract for improving North Caldwell and Gill Sts. has been awarded to the OHIO MARBLE CO.

Steubenville, Ohio—(Official)—Bids will be received by the County Commissioners until noon, Aug. 25, for constructing about one half mile of brick road in Smithfield Village.

✚Youngstown, Ohio—(Official)—Contracts have been awarded for grading Princeton Road to S. H. DeGROODT, at $47,000; Palmyra Road to L. FLETCHER, Kent, at $72,000; Stewart Ave. to A. TRUPO, Youngstown, at $5200. Noted July 23.

Bloomington, Ind.—(Official)—Bids will be received by the Common Council until 7:30 p.m., Sept. 1, for improving 13th St. Horace Blakely is City Clk.

Gary, Ind.—Bids will be received by the Board of Public Works until Sept. 7, for improving 36th Ave. from Broadway to Georgia St. W. J. Fulton is City Engr.

✚Gary, Ind.—Contracts have been awarded for paving 25th St., from Broadway to Grants Ave., to HENNING & MACDERMUT, at $20,057; Sixth Ave., from Washington to Tyler St., at $18,698; 25th Ave., from Broadway to Prospect Ave., at $34,765. Noted July 2.

✚Greencastle, Ind.—(Official)—Contracts have been awarded for constructing the following rods in Greencastle Township: John McFarline Road, to ALLEN & SWEET, at $17,220; J. E. Bicknell Road, to A. G. DAY, at $17,484; George Landes Road, to JAMES MAHONEY, at $6360. Noted July 30.

✚Valparaiso, Ind.—(Official)—Contracts for constructing roads in Portage and Center Townships have been awarded to RAY DEMOSS, Chesterton, Ind., at $7470, and GREENE & CAPLIN, Chesterton, Ind., at $6200. Noted July 30.

Springfield, Ill.—(Official)—Bids will be received by the State Highway Commission until 11 a.m., Aug. 25, for State Aid work in Boone and Jackson Counties. All cement to be furnished by the State. P. C. McArdle is Asst. State Highway Engr.

✚Marinette, Wis.—The contract for constructing concrete pavement on Chestnut St. has been awarded to CARLIN BROS., at $21,000. Noted July 16.

✚La Crosse, Wis.—The contract for about 6000 sq.yd. of asphaltic macadam pavement with concrete curb and gutter on St. Andrews St., has been awarded to THOMAS E. WOOLEY, at $9735. Noted July 23.

✚Corydon, Iowa—(Official)—A contract for constructing 31,000 sq.yd. of pavement has been awarded to JAMES HORRABIN, Des Moines, at $69,000. Noted July 30.

Waterloo, Iowa—According to press reports, bids will be received until Aug. 24 for paving Wellington, Oak Lawn and Randall Sts. Approximately 15,000 sq.yd. of asphaltic concrete will be required.

Benson, Minn.—Bids will be received by D. P. Carney, County Audr., until 1 p.m., Aug. 28, for constructing 5308 lin.ft. of turnpike in Pillsbury.

Fairmount, Minn.—Bids will be received until 11 a.m., Aug. 28, for work on the following state roads: Nos. 3, 5, 7, 8, 9, 12 and 13.

Hanska, Minn.—Bids will be received by the Town Board until Aug. 27 for grading 3650 lin.ft. of road.

Minneapolis, Minn.—Bids will be received by A. P. Erickson, County Audr., until 11 a m., Aug. 31, for paving Road No. 3 with concrete in West Minneapolis Village.

✚Pipestone, Minn.—A contract for grading and concrete paving has been awarded to the WIDELL CO., Mankato, at $13,114.

✚Aurora, Neb.—A contract for paving 15,551 sq.yd. has been awarded to O. E. CHAPIN, Hastings, Neb., at $1.54 per sq.yd.

✚Seward, Neb.—(Official)—A contract for paving 30,000 yds. has been awarded to J. W. TURNER, Seward. Noted July 16 and 30.

Rapid City, S. D.—Bids will be received by J. G. Hopkins, County Audr., until noon, Sept. 2, for grading the Hermosa Black Gap Road.

✚Great Falls, Mont.—The contract for paving Third St. has been awarded to S. BIRCH & SONS at $5560.

✚Helena, Mont.—The contract for paving Fuller Ave. has been awarded to LOUIS JOHNSON, Helena, at $10,999. The only other bid was from D. C. Sweeney, $11,570.

✚Lewistown, Mont.—The contract for paving Broadway has been awarded to J. C. MAQUIRE, at about $35,000. Noted July 16.

✚Terry, Mont.—(Official)—A contract for constructing approximately 33,600 sq.ft. of concrete sidewalks has been awarded to L. W. SCHRUTH, Fargo, N. D., at $12,291. Noted Aug. 6.

✚St. Louis, Mo.—Contracts have been awarded for paving Oakland Ave., to the WEBB-KUNZE CONSTRUCTION CO., at $29,087, and the 12th St. viaduct, to the FRUIN-COLNON CONSTRUCTION CO., at $22,900. Noted July 30.

✚Wharton, Tex.—A contract for constructing roads in Precinct No 1 has been awarded to GILLAND, BAILEY & READER.

+Tulsa, Okla.—A contract for paving 35 blocks with asphaltic concrete has been awarded to F. P. McCORMICK, Tulsa, at $1.34 per sq.yd.

Pocatello, Idaho—A special election will be held Aug. 25 to vote on the proposition of issuing $20,000 in bonds, the proceeds of which will be used for grading and paving streets and alley intersections throughout the city.

+Portland, Ore.—The contract for paving East 15th St., from Shaver to Prescott, has been awarded to the OREGON-HASSAM PAVING CO., at $8972.

+Seattle, Wash.—Contracts have been awarded for paving California Ave. to F. McLELLAN, at $109,820; First Ave. South to A. J. BAUMGARTNER, at $12,855; Auburn Pl., to the PARK CONTRACT CO., at $3278.

Fairfax, Calif.—See item under "Sewers."

+Los Angeles, Calif.—Contracts have been awarded for improving Alvarado St. to H. A. TAYLOR, at $10,780; 16th St. to B. F. Ford & F. H. STOUT, at $13,410; E St. to the FAIRCHILD-GILMORE-WILTON CO., at $38,845; Folsom St. to D. D. CHAPMAN, at $7548.

+Newport Beach, Calif.—A contract for improving a number of streets has been awarded to E. M. CHALMERS, Willmington, at $8146.

+Richmond, Calif.—The City Council has awarded contracts for the improvement of Pullman Ave. to the MUNICIPAL IMPROVEMENT CO., at $54,593; for the improvement of Clinton Ave. to L. L. PAGE, at $16,193, and for the paving and sewering of Cutting Blvd., to G. W. CUSHING, at $88,450.

+Sacramento, Calif.—The California State Highway Commission awarded contracts Aug. 11 for highway work as follows: Alameda County, between Greenville and Livermore, to PAROTT BROS., Salt Lake City, Utah, at $20,779; Santa Clara County between San José and northerly boundary, to JOHN W. McDONALD, JR., of San José, at $36,696; Mendocino County, from Hopkins to Ukiah, to HARD BROS., Sacramento, at $68,385; Santa Clara County, from Santa Clara to San José, to the RANSOME-CRUMMEY CO., Oakland, at $30,664; Contra Costa County, from Pinole to San Pablo Creek, to J. H. FALCONER, Escalon, at $14,443; Humboldt County, from Dyerville and Miranda, to FAIRBANKS & BAECHTEL, Willits, at $120,893; Santa Barbara County, from El Capitan Creek to Alcatraz, to T. K. BEARD, Modesto, at $82,168. All bids for road construction between Shivley and Jordan Green in Humboldt County were rejected. Noted July 23.

+Stockton, Calif.—The City Council has awarded a contract for the construction of streets, gutters, curbs and sidewalks in the Oaks tract to the FEDERAL CONSTRUCTION CO., Monadnock Bldg., San Francisco, Calif., at $80,381.

INDUSTRIAL WORKS

Boston, Mass.—The W. H. McElwain Co., Hall Rd., plans the erection of a two-story, 24x84-ft. addition to its tannery. The estimated cost is $16,000. Hubbard & French, 88 Pearl St., are the Archs.

+Framingham, Mass.—The Dennison Mfg. Co. has awarded the contract for the construction of a four-story, 70x160-ft. reinforced concrete factory, to the ALBERTAN CONSTRUCTION CO., 8 Beacon St., Boston. Monks & Johnson, 78 Devonshire St., Boston, are the Archs.

Worcester, Mass.—The Worcester Felt Shoe Co. has acquired property on Middle River Rd., where it plans to erect a factory in the near future.

East Springfield, Conn.—The W. H. Miner Chocolate Co. has purchased a site where it plans to build a factory.

Greenville, Conn.—The Shetucket Co. is having plans prepared for a two-story, 57x356-ft. brick weave-shed. C. W. Praray, Tunes Bldg., New Bedford, Mass., is the Engr.

New Haven, Conn.—The Kolynos Co., manufacturer of dental goods, is having plans prepared for a four-story, 80x 120-ft. reinforced-concrete factory. McClintock & Craig, Springfield, Mass., are the Archs. Noted Aug. 6.

Norwalk, Conn.—S. Seam & Sons, brass finishers., plans to build a factory in Day St., to be 34x80-ft.

H. Jacobs & Sons have plans under consideration for the erection of a factory estimated to cost $40,000.

Waterbury, Conn.—The Pilling Brass Co. plans the erection of a one-story, 52x111-ft. factory on Watertown Ave. Griggs & Hunt are the Archs.

Windsor Locks, Conn.—The Anchor Paper Mills has been purchased by a new concern which plans the manufacture of a different line of paper; $25,000 will be expended in improvements and equipment.

Buffalo, N. Y.—The Buffalo Forge Co., Broadway and Mortimer St., will receive bids for additions to its foundry. The estimated cost of the improvements is $500,000. William F. Wendt is the Pres. Noted Apr. 9.

The Bison City Table Co., whose plant was recently destroyed by fire, plans to rebuild in the near future.

Little Falls, N. Y.—The Jacob Zoller Packing Co. will ask for bids for the construction of additions to its packing plant. The improvements will be a two-story, 37x57-ft. packing house and a one-story, 28x84-ft. office building. Carl Hang & Sons have prepared the plans.

Jersey City, N. J.—Joseph T. Ryerson & Sons, 30 Church St., New York, N. Y., have bought a factory site on West Side Ave., where they plan to erect a large plant.

+Allentown, Penn.—Frank C. Kolb, Fourth and Elm St., has awarded a contract to W. A. STEIN & CO., Allentown, for the erection of a three-story, 110x160-ft. bakery. Charles Balderston, 411 Walnut St., Philadelphia, Penn., is the Arch. Noted June 25, July 2.

Dubois, Penn.—The Kane Motor Car Co., agents for the Hudson car in western Pennsylvania, has purchased a site on North Brady St., Dubois, where a garage will be erected. Plans are also under consideration for the erection of service stations in Bradford and Altoona.

+Nicetown, Penn.—George W. Blabon & Co. has awarded the contract for the construction of a five-story, reinforced concrete factory to WILLIAM STEEL & SONS, 1600 Arch St., Philadelphia, at $500,000. Ballinger & Perrot, 1211 Arch St., Philadelphia, are the Archs. Noted Aug. 6.

Philadelphia, Penn.—The Keystone Lantern Co. plans the construction of a four-story, 68x113-ft. factory at Cottman and Tacony St.

+Baltimore, Md.—The Varsity Underwear Co. has awarded the contract for the construction of its factory to DEVERELL, SPENCE & CO. The estimated cost is $30,000. Layton F. Smith is the Arch. Noted June 25.

Suffolk, Va.—The Virginia Mfg. Co., manufacturer of boxes, crates, etc., plans the erection of a new factory, replacing the one recently destroyed by fire.

Titusville, Fla.—The Palmetto Products Co., New York, N. Y., plans to erect a plant for the manufacture of palmetto leaf rugs.

Haleyville, Ala.—The Haleyville Oil & Fertilizer Co has had plans prepared for the construction of a cottonseed oil mill. The estimated cost is $27,000.

Chattanooga, Tenn.—The Ford Motor Co., Detroit, Mich., plans the erection of a garage and show room to cost $30,000.

Memphis, Tenn.—W. P. Brown & Co., whose warehouse was recently destroyed by fire, has announced that plans will be prepared immediately for a larger warehouse, to be erected on the old site.

Fulton, Ky.—Harrison Bros., Union City, Tenn., plan to establish a factory for the manufacture of rainproof cloth.

Louisville, Ky.—The Louisville Soap Co. is having plans prepared for a factory addition estimated to cost $50,000. Frederick Erhart, Louisville, is the Arch.

Arrolton, Ohio—M. F. Albright & Bro., East Liverpool, Ohio, plans to build a pottery here at an estimated cost of $100,000.

+Cleveland, Ohio—The Kaynee Co., 6925 Ætna Rd., Cleveland, has awarded the contract for the construction of a three-story, 60x140-ft. factory, to the FATH CONSTRUCTION CO., 440 Perkins Ave., Cleveland, at $50,000. Christian, Schwarzenberg & Gaede, Euclid Bldg., Cleveland, have prepared the plans.

Cleveland, Ohio—Emanuel Rhibal, 6601 Morgan Ave., Cleveland, plans to build a one-story, 16x88-ft. brick foundry, to cost $10,000. Frank Sureas is the Arch.

Piqua, Ohio—The Wood Shovel & Tool Co. is having plans prepared for two factories, 60x120 ft. and 60x130 ft., each one story. The estimated cost is $35,000. Devore & McGormley, Nasby, Toledo, are the Engrs.

The Gramm Berstein Co. will receive bids for the construction of a one-story, 50x70-ft. addition to its factory on East Wayne St. McLaughlin & Hulsken, 610 Savings Bldg., Lima, are the Archs. Noted Apr. 23.

Toledo, Ohio—Harbauer & Co., manufacturer of vinegar and pickles, will receive bids for the construction of a three-story, 55x100-ft. factory. The estimated cost is $40,000. Devore & McGormley, 304 Nasby, Toledo, are the Engrs.

Vermilion, Ohio—The Wakefield Brass Co. will receive bids for the construction of a one-story, 60x90-ft. factory. Devore & McGormley, Toledo, are the Engrs.

Youngstown, Ohio—The Distilled Water Ice Co. has had plans prepared for a new plant, to be erected on West Federal St. The estimated cost is $100,000. William Winsworth is the Mgr. Noted Mar. 12.

LaFayette, Ind.—The Fort Wayne & Northern Indiana Traction Co., Fort Wayne, Ind., is having plans prepared for a one- and two-story car barn and repair shop. The estimated cost is $20,000. Devore & McGormley, Toledo, are Engrs.

Bay City, Mich.—The North American Construction Co., makers of portable houses, has had plans prepared for the erection of a factory, which will have 100,000 sq.ft. of floor space.

+Detroit, Mich.—The Telfer Coffee Co. has awarded a contract to DeLISLE & COOKER, 37 Campan Bldg., Detroit, for the construction of a three-story, 30x150-ft. warehouse, at $40,000. Joseph E. Mills & Son, 510 Washington Arcade, have prepared the plans.

Carbondale, Ill.—The Carbondale Bottling & Ice Cream Co. has purchased a site on South East and Walnut St. where it plans to erect a new plant.

Chicago, Ill.—T. C. Dennely, furniture manufacturer, has had plans prepared for the erection of a brick furniture factory at 81 East Van Buren St. The estimated cost is $118,000. F. A. Perkins is the Arch.

Chicago, Ill.—Morris & Co., 1455 West 44th St., Chicago, meat packers, has had plans prepared and will erect a two-story brick factory to cost about $40,000. F. A. Fielder is the Arch.

Peoria, Ill.—The Kise Electric Co. plans the erection of a 50x200-ft. factory.

Madison, Wis.—The Heibel Bottling Co. is having plans prepared for a two-story, 54x100-ft. bottling works, to be constructed on North Fairchild St., at an estimated cost of $15,000. F. L. Kronenberg, Slichter Bldg., Madison, is the Arch.

Manitowoc, Wis.—The Aluminum Specialty Mfg. Co. plans to build a one-story, 60x200-ft. factory, with provision for additional stories. Emil Krug is the Pres.

Milwaukee, Wis.—The Chicago, Racine & Milwaukee R.R. will receive bids for the erection of a 112x130-ft. reinforced concrete warehouse at the foot of Erie St. The estimated cost is $100,000. Archs., Schnetzky & Son, have prepared the plans. Noted June 4.

Rockton, Wis.—The Great Northern Mfg. Co., manufacturer of slot machines, has acquired a site where it is planned to erect a new factory.

Des Moines, Iowa—Dodd & Struthers, 720 Sixth Ave., are having plans prepared for the construction of a two-story, 66x132-ft. reinforced-concrete factory to cost $25,000. Prodfoot, Bird & Rawson, 810 Hubbell Bldg., are the Archs.

Marshalltown, Iowa—The Lennox Furnace Co. has had its plans revised and will receive bids for the construction of a two-story, 110x650-ft. factory. The estimated cost is $40,000. W. S. Ferguson Co., 1900 Euclid Bldg., Cleveland, Ohio, has prepared the plans. Noted July 31, 1913, Feb. 26.

Sioux Falls, S. D.—The Manchester Biscuit Co., Sioux Falls, plans to build a seven-story, 90x120-ft. factory. Joseph Schwarz, Sioux Falls, is the Arch.

Kansas City, Mo.—C. M. Beachy and associates, of Wichita, Kan., have organized the Alpine Ice Co., and will build a plant with a daily capacity of 50 tons. The estimated cost is $85,000. Plans by the McCandish Engineering Co., Kansas City.

St. Joseph, Mo.—The Chicago, Burlington & Quincy R.R. Co. plans to erect a grain elevator of 25,000 bu. capacity. The estimated cost is $60,000.

+St. Louis, Mo.—The Interstate Printing Co., 39 Laclede Ave., has awarded the contract for the construction of a one-story printing plant to L. W. PETERS, St. Louis, at $10,000.

Earle, Ark.—The Planters Ice & Gin Co. plans to erect and equip a plant here, estimated to cost $20,000.

Rochester, Nev.—The Rochester Mines Co., Humboldt County, Nev., plans to erect an all-slime cyaniding plant, estimated to cost $85,000. John F. Cowen is Pres.

Biggs, Calif.—The California Rice Milling Co. plans to enlarge its plant at an estimated cost of about $10,000. J. B. Hayes is in charge.

Chico, Calif.—The Associated Oil Co. has purchased a tract of land in Chico Vecino, bordering the Southern Pacific R.R., where it plans to erect a distributing station, to cost $12,000.

Colton, Calif.—The California Portland Cement Co. plans to build additions to its plant which will raise its capacity to 10,000 bbls.

Los Angeles, Calif.—The Harbor Commission plans to erect a seven-story, 150x600-ft. reinforced concrete warehouse opposite Mormon Island wharf. The estimated cost is $175,000.

Oakland, Calif.—The R. M. Pridham Co., Los Angeles, Calif., plans to build a fiber-box plant estimated to cost about $100,000.

South Pasadena, Calif.—The Nomel Co., 326 South aSan Pedro St., is having plans prepared for a group of new factory additions. Norman F. Marsh, Broadway Central Bldg., Los Angeles, is the Arih.

+Montreal, Que.—The Canadian Pacific Ry. Co., Montreal, has awarded the contract for additions to its Angus shops, to DOWNING-COOK CO., LTD. Sub-contract for furnishing the piles was let to the RAYMOND CONCRETE PILE CO., LTD., Montreal. Noted Sept. 25.

Fort William, Ont.—The M. M. Patterson Co. plans to erect a 100,000-bu. capacity grain elevator.

+Hamilton, Ont.—The National Steel Car Co. has awarded the contract for the construction of the addition to its passenger car shops to the HAMILTON BRIDGE CO.

Selkirk, Man.—The Dunlop Paper & Pulp Mills, Ltd., 316 Donald St., plans the construction of a new mill to cost $150,000.

+Medicine Hat, Alta.—The Dominion Sanitary Fountain Co. has awarded the general contract for the construction of its factory to W. L. ARCHER, Spokane, Wash., at $25,000. F. B. Bartington, Hulton Block, Spokane, is the Pres.

FEDERAL GOVERNMENT WORK

Steel and Wire—Springfield, Mass.—Bids will be received until Sept. 2, by the Commanding Officer, U. S. A., Springfield Arsenal, for 172,000 lb. of Class A steel, 171,900 lb. of Class B and 25,000 lb. of Class C, 7900 lb. Class B wire, 167,750 lb. Class D and 20,600 lb. Class E.

Steel Work—Newport, R. I.—Bids will be received until 11 a.m., Sept. 5, by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., for structural steel work for the boat house addition, naval training station, Newport.

Breakwater Extension—Buffalo, N. Y.—(Official)—Bids were received, Aug. 14, by Col. J. G. Warren, Corps Engrs., U. S. A., Buffalo, for timber-crib-concrete breakwater extension, Cape Vincent Harbor, N. Y. The bids follow: T. A. Gillespie Co., Pittsburgh, Penn., $37,889; Coast & Lakes Contracting Corporation, New York, N. Y., $37,992.

Paving—New York, N. Y.—Bids will be received until 11 a.m., Sept. 5, by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., for wood block and granite block paving at the New York Navy Yard.

Rotary Converters—Philadelphia, Penn.—(Official)—Bids will be received until 11 a.m., Aug. 29, by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., for two 500-kw. rotary converter sets for the navy yard, Philadelphia.

★Bulkhead—Wilmington, Del.—(Official)—Bids were received, Aug. 10, by Maj. E. N. Johnston, Corps Engrs., U. S. A., Wilmington, for constructing a pile and timber bulkhead at Christiana River, Del. The lowest bid was submitted by the Edward F. Fonder Co., 1116 Land Title Bldg., Philadelphia, Penn.

Street Work—Washington, D. C.—Bids will be received until 2 p.m., Aug. 31, by the District Commissioners, for grading and improving suburban streets and avenues in the district.

+Post Office—Covington, Va.—Oscar Wenderoth, Supervising Arch., Treasury Dept., Washington, D. C., has awarded the contract to OLIN GERLACH, Frostburg, Md., for constructing the proposed post office at Covington, at $39,953.

Post Office—Georgetown, Ky.—Bids were received as follows, Aug. 12, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post office at Georgetown, (a) limestone, (b) sandstone: James Devaule, Canton, Ohio, (a) $69,324, (b) $72,000; Westchester Engineering Co., White Plains, N. Y., (a) $63,800, (b) $70,000; M. Yeager & Sons, Danville, Ill., (a) $67,937, (b) $71,867; George W. Stiles Construction Co., Chicago, Ill., (a) $65,574; W. H. Fissell & Co., New York, N. Y., (a) $63,733, (b) $66,733; Congueton Lumber Co., Lexington, Ky., (a) $80,205; Volney E. Taylor, Huntington, W. Va., (a) $61,450, (b) $74,000; N. H. Shields, Danville, Ill., (a) $64,100; J. S. Rogers Co., Moorestown, N. J., (a) $66,000, (b) $68,000; G. H. Munnelley Co., Georgetown, Ky., (a) $79,077, (b) $83,050; George Becking, Chattanooga, Tenn., (a) $61,812, (b) $64,812. The building will be two-story and basement, ground area 4800 sq.ft., fireproof construction, stone facing and composition roof.

+Post Office—Delavan, Wis.—The contract for the construction of the post office at Delavan has been awarded to the NORTHERN CONSTRUCTION CO., 421 Milwaukee St., Milwaukee, Wis., at $43,939. The building is to be completed in 15 months.

Building—Milwaukee, Wis.—Bids were received as follows, Aug. 14, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a building for Appraiser's Stores at Milwaukee, (a) limestone, (b) sandstone: Northern Construction Co., Milwaukee, (a) $89,822, (b) $90,422; General Construction Co., Milwaukee, (a) $94,355, (b) $95,030; American Construction Co., Milwaukee, (a) $95,900, (b) $96,500; F. W. Taddey & Son, Milwaukee, (a) $91,300, (b) $91,800; the Raulf Co., Milwaukee, (a) $97,000, (b) $97,300; Coddington Engineering Co., North Milwaukee, (a) $128,938. The building will be two stories and basement, 7200 sq.ft. ground area, pile foundations, fireproof construction, brick facing, composition roof.

Post Office—Winfields, Kan.—Bids will be received until Sept. 3, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing the post office at Winfield.

Post Office—Mandan, N. D.—Bids will be received until 3 p.m., Sept. 24, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing a post office at Mandan.

Post Office—Uvalde, Tex.—(Official)—Bids will be received until 3 p.m., Oct. 6, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing the post office at Uvalde. The building will be one story and basement and will have a ground area of 470 0sq.ft.

Steel, Etc.—Oklahoma City, Okla.—Bids will be received until Sept. 2, by the State Capitol Commission, for 280 tons of reinforcing steel, 10,000 bbl. portland cement, 3100 cu.yd. of sand, 6200 cu.yd. of rock and 410 M. ft. of lumber.

Wood Stave Pipe—Denver, Colo.—The following have been recommended for award by the U. S. Reclamation Service, Denver, for wood-stave pipe for the Belle Fourche Project, S. D.; the Uncompahgre Project, Colo., and the North Platte Project, Neb.: Washington Pipe & Foundry Co., Tacoma, at $4987; Pacific Tank & Pipe Co., Portland, Ore., at $13,812.

Canal—Phoenix, Ariz.—Bids will be received until 2 p.m., Aug. 24. by the U. S. Reclamation Service, Phoenix, for constructing the Wallace Feeder Canal, Salt River Project, Ariz.

Riprap—Washington—Bids will be received until Aug. 25, by the Lighthouse Inspector, Portland, Ore., for riprap work at Robinson Point, Browns Point, Alki Point and Point Wilson light stations, Wash.

Buildings—Hawaii—Bids were received as follows by the Bureal of Yards and Docks, Navy Dept., Washington, D. C., Aug. 15, for the construction of five buildings at the naval station at Pearl Harbor, Hawaii, (a) paint shop and rigging loft, 162x51 ft.; (b) pattern shop, 241x61 ft.; (c) steel storehouse, 240x55 ft.; (d) metal and lumber storehouse, 200x71½ ft.; (e) boat storehouse, 300x63 ft.: Honolulu Planing Mill & Lumber Co., Honolulu, Hawaii, (a) $18,400, (b) $29,700, (c) $6000, (d) $8200, (e) $13,550, total $75,850; Lord-Young Engineering Co., Honolulu, Hawaii, (a) $14,875, (b) $25,000, (c) $4300, (d) $5300, (e) $9900, total $69,975; Spalding Construction Co., San Francisco, Calif., (a) $17,300, (b) $30,760, (c) $6300, (d) $6600, (e) $12,400, total $73,360; W. N. Concannon Co., San Francisco, Calif., (a) $15,600; (b) $28,400, (c) $4200, (d) $5400, (e) $10,336, total $63,936.

MISCELLANEOUS

Dredging—Boston, Mass.—Bids will be received until Aug. 21, by the Directors of the Port, for 228,000 cu.yd. of dredging in Dorchester Bay. Frank W. Hodgdon is Ch. Engr.

+Dredging—Boston, Mass.—The State Board of Harbor and Land Commissioners has awarded the contract to JOHN R. BURKE, Boston, for dredging Apponagansett Harbor, at 32.9c. per cu.yd. and $10 per cu.yd. for removing boulders. Other bids were: John H. Gerrish, Boston, 36c. and $6; Eastern Dredging Co., 38c. and $10. William F. Williams is Ch. Engr. Bd.

+Dredging—Boston, Mass.—The Directors of the Port have decided to dredge a channel at Commercial Point. Estimated cost, $58,000. Frank W. Hodgdon, Boston, is Ch. Engr.

Tunnel—Boston, Mass.—The Boston Transit Commission opened bids, Aug. 13, for constructing Sect. D of the Dorchester Tunnel. The bids follow: (a) free-air constrution, (b) compressed-air construction: P. McGovern & Co., Boston, (a) $675,050, (b) $727,675; Hugh Nawn Contracting Co., Boston, (a) $673,780, Coleman Bros., Boston, (a) $690,205, (b) $768,355; James J. Coughlan Co., Boston, (a) $708,475, (b) $759,515; Rowe Contracting Co., Boston, (a) $714,075, (b) $780,775; W. J. Sheils, Boston, (a) $722,850, (b) $770,800; Michael Meehan, Boston, (a) $865,650, (b) $1,032,375.

Barge Canal Work—Albany, N. Y.—Bids were received Aug. 11 by Duncan W. Peck, State Supt. Pub. Wks., Albany, for (a) Contract No. 1-A; (b) Contract No. 34; (c) for highways adjacent to the Hinckley Reservoir; (d) for bridge over the Erie Canal at Yorkville, Oneida County; (e) for highway change, Road N, adjacent to Contract No. 19; (f) for Hinmansville highway change; (g) for highway bridge over the canalized Mohawk River at Movable Dam 5. The lowest bids follow: (a) Holler & Shepard, Rochester, N. Y., $120,459; (b) Champlain Engineering and Construction Corporation, Saratoga Springs, N. Y., $16,843; (c) J. L. Richmond, Little Falls, N. Y., $93,981; (d) Scott Bros., Rome, N. Y., $94 582; (e) W. L. O'Day, 263 Norwood Ave., Buffalo, N. Y., $4455 (sole bidder); (f) I. M. Ludington Sons Co., Rochester, $2505; (g) Lupfer & Remick, Buffalo, $42,976.

★Lavatories—Albany, N. Y.—(Official)—Bids will be received until 2 p.m., Aug. 26, by the Trustees of Public Buildings, Executive Chamber, Capitol, Albany, for new lavatories for the state capitol. Lewis F. Pilcher, Albany, is State Arch.

Shipyard—Albany, N. Y.—The New York & Buffalo Barge Co. plans to construct a ship yard at Albany.

✚Concrete Pile Foundations—New York, N. Y.—(Official)—Contracts for the concrete pile foundations of the following structures have been awarded to the MacARTHUR CONCRETE PILE & FOUNDATION CO., 11 Pine St., New York: Grain bins and elevator, Stanard Tilton Milling Co., Alton, Ill.; bakery for Ward Baking Co., East Orange, N. J., Cramp & Co., general contractors, New York, C. B. Comstock, Arch., 110 West 40th St., New York; weave shed, Salt's Textile Mfg Co., Bridgeport, Conn.; Dowling & Bottomley, general contractors, Bridgeport.

Playground—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 10:30 a.m., Aug. 28, by the Public Recreation Commission, Municipal Bldg., Borough of Manhattan, for constructing the Betsey Head memorial playground in Brownsville, Brooklyn.

Subway—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 12:15 p.m., Sept. 11, by the Public Service Commission, 154 Nassau St., Borough of Manhattan, for constructing Route 29, a part of the Eastern Parkway rapid transit railroad.

Fire Apparatus—Jersey City, N. J.—Frank Hague, Dir. Pub. Safety, is considering the addition of the following equipment for the Fire Department: Two motor-driven pumping engines, estimated cost $20,000; two new motor tractors for fire engines, estimated cost $8500; two aerial trucks ,estimated cost $22,000; and the installation of new fire alarm boxes to cost about $2500.

✚Coal Conveyor—Jersey City, N. J.—The Public Service Corporation has awarded contracts as follows, for constructing its proposed coal conveyor: Foundations, to STILLMAN-DELAHANTY-FERRIS CO., 16 Exchange Place, Jersey City; superstructure to R. D. COOMBS & CO. Estimated cost, $12,000.

★Dock—Newark, N. J.—(Official)—Bids will be received until 3:15 p.m., Aug. 27, by the Board of Street and Water Commissioners for the construction of a dock approximately 4500 ft. long along the northerly side of the city channel now being dredged near the mouth of Peddie St. Ditch in Newark Bay.

The work will be divided into two sections. Sect. No. 1, approximately 2500 ft. long, being that portion inshore from the present shore line westerly. Sect. No. 2, approximately 2000 ft. long, is that section from the present shore line out in the bay following the line of the channel now being dredged. Although the dock will be a continuous construction it will be divided into two sections in the contract as they differ somewhat in the form of construction and the contractor will be required to start his work at the easterly end of Sect. No. 1 and complete at least 1000 ft. of this section before Dec. 1, 1914. The completion of Sect. No. 2 will depend upon the completion of the bulkhead or cribbing in the bay which will form the northerly side of this section.

The estimated quantities of materials to be furnished under this contract and upon which unit prices are asked for in the bids are the following: 405,500 lin.ft. creosoted short leaf yellow pine piles; 78,850 lin.ft. untreated short leaf yellow pine piles; 90,000 lin.ft. white oak piles—fender and snubbing; 3,319 M. ft. B. M. sawed creosoted long leaf yellow pine lumber; 4,025 cu.yd. concrete; 143,900 lb. reinforcing steel concrete; 4500 lin.ft. of standard gage railroad track, 100 lb. rails; 4,500 lin.ft. 10-ft. gage derrick track, 150 lb. rails; 150 snubbing cleats, cast-iron, in place; 32,000 tons, riprap; (ton of 2000 lb.).

The plans and specifications for this work are on file in the office of Morris R. Sherrerd, Ch. Engr.

✚Coal Breaker—Highland, Penn.—C. B. Markle & Co. have awarded the contract to WHEELER & RILEY, Wilkes-Barre, Penn., for constructing a coal breaker at Highland, at $80,000.

✚Stable—Wilmington, Del.—The Hauber Baking Co. has awarded the contract to ELWOOD SHARP, Wilmington, for constructing a two-story stable, 40x100 ft.

Drainage—Goldsboro, N. C.—W. K. Allen, Consult. Engr., Wilmington, N. C., has been retained by Wayne County Drainage District to prepare plans and specifications for a district of 6000 acres. It is planned to issue $90,000 in bonds for the proposed work.

Levee Work—Shreveport, La.—The Caddo Levee District Board has rejected all bids opened Aug. 5 for levee work, aggregating 15,000 ft. along the right bank of the Red River.

✚Wharf—Danville, Tenn.—The Louisville & Nashville Ry. Co., has awarded the contract to the MECHAM CONTRACTING CO., Hopkinsville, Ky., for constructing a reinforced concrete wharf at Danville, at $40,000.

Drainage—Selmer, Tenn.—F. M. Patten, Consult. Engr., Jackson, Tenn., has made surveys for a drainage system for Big Snake Creek Drainage District.

Stadium—Cincinnati, Ohio—The University of Cincinnati will ask for bids soon for a stadium to seat 13,000.

★Excavation, Etc.—Cleveland, Ohio—Bids were received Aug. 13, by A. R. Callow, Comr. Purchases and Supplies, for excavating, transporting and disposing of all material necessary to prepare the present site for the construction of the proposed South Side sewage treatment works. The lowest bid was submitted by Charles Fath & Co., Cleveland, at $86,078 for Division 1 and $94,288 for Division 2. The approximate quantities follow: Engineer's office, complete; 2900 lin.ft. of surface drain; furnishing and placing 3850 lin.ft. of 6- to 15-in. vitrified pipe; 316,000 cu.yd. of excavation; transportation and disposal of material; 1800 tons of stone riprap.

Levees—Dayton, Ohio—The earthwork contract calling for about 1,200,000 cu.yd. will be under way this fall. This is a river improvement, which will result in the reclamation of a large area of low ground within the city limits. G. C. Cummin is City Engr.

★Creek Improvement—Greenville, Ohio—(Official)—Bids will be received until 11 a.m., Aug. 22, by J. L. Morgan, County Audr., Greenville, for the Stillwater Creek Improvement. For details see advertisement under "Contracts to Be Let."

✚Dock and Wall—Detroit, Mich.—The Department of Public Works has awarded the contract to JOHN GINZEL, Buhl Block, Detroit, for constructing a concrete dock and retaining wall along the river front, at $13,823.

Drainage—Clintonville, Wis.—Farmers plan to drain 10,000 acres of land in the vicinity of Clintonville. E. R. Jones, Soil Expert, College of Agriculture, University of Wisconsin, Madison, Wis., is in charge.

✚Mausoleum—Marshfield, Wis.—W. D. Conroy plans to erect a mausoleum at Marshfield. The contract for the marble required has been awarded to the HARRISON GRANITE CO., New York, at $20,000.

Fire Apparatus—Milwaukee, Wis.—Bids will be received until 10:30 a.m., Aug 21, by the Department of Public Works for two automobile combination pumping engines and hose wagons.

Bath-house—Milwaukee, Wis.—The city plans to construct a bath-house at McKinley Park Beach. Estimated cost, $25,000. C. J. Pinney, Supt. Bridges and Bldgs., is in charge.

✚Ditches—Stevens Point, Wis.—The Daney Drainage District has awarded the contract to the ROOD CONSTRUCTION CO., Grand Rapids, Wis., for constructing about 16 miles of ditches, at about $30,000.

Ditches—Forest City, Iowa—C. K. Nelson, County Audr., has rejected all bids opened for ditch work in District 35. New bids will be received until Sept. 22.

Drains—Nevada, Iowa—Bids will be received until 1:30 p.m., Aug. 25, by C. A. Batman, County Audr., Nevada, for constructing drains in Indian Creek Township.

Barn—Sioux City, Iowa—The Sioux City Stockyards Co. will ask for bids soon for a barn to cost $22,000. It will be two stories, 200x200 ft. W. L. Steele, Sioux City, is Arch.

Wall—Waterloo, Iowa—C. A. Roby, City Engr., is preparing plans for a flood protection wall to be constructed along the east bank of the Cedar River and opposite the waterworks plant.

✚Ditch—Fairmount, Minn.—The County Supervisors, Aug. 4, awarded the contract to W. C. MARKLAND & CO., Fairmount, for constructing Ditch 39, at $39,990.

Ditch—Slayton, Minn.—W. A. Seeman, County Audr., Slayton, has rejected all bids for constructing Ditch No. 2.

★Cement—Kansas City, Mo.—(Official)—Bids will be received until 2 p.m., Sept. 11, by the City Purchasing Agent, for furnishing and delivering asphaltic cement for the use of the municipal asphalt plant for a period of one year. Estimated amount, 1500 tons. Specifications may be had of Clark R. Mandigo, Asst. City Engr.

Drainage—Davenport, Ark.—Davenport Drainage District has been organized to reclaim about 13,120 acres. Bonds for $75,000 will be issued.

Levees—Melana, Ark.—The property owners in the Bottom Belt Levee District, July 29, authorized a bond issue for $350,000 to complete proposed levees. John Quarles, Helena, Ark., is Ch. Engr.

✚Drainage—Judsonia, Ark. — Little Red River Drainage District has awarded the contract to McGREG & FOSTER, Cotton Plant, Ark., for drainage work calling for about 300,000 cu.yd., at 14.45c. per cu.yd. The first 100,000 cu.yd. has been sublet to JOHNSON & WAGGON, Judsonia.

✚Drainage—Judsonia, Ark.—Bids were opened, July 20, by the Commissioners of Overflow Drainage District of White County at Judsonia, for drainage work calling for 594,700 cu.yd. of excavation. Contracts have been awarded as follows: 18,000 cu.yd., F. O. WHITE, Bald Knob, Ark., at 16c. per cu.yd.; 576,700 cu.yd., to E. J. HAHN, Little Rock, Ark., at 9.4c. per cu.yd.

Levee Work—Caldwell, Tex.—Burleson county has voted to issue $136,000 in bonds to repair and enlarge the levee along the Brazos River, in the eastern part of the county.

Pier—Redondo Beach, Calif.—The city plans to construct a recreation pier to cost $121,000.

Cement—Seattle, Wash.—Bids will be received until Aug. 27 by the Port of Seattle Commissioners for 7500 bbl. of portland cement to be used in grain elevator construction.

Dam—Seattle, Wash.—The Board of Public Works will award the contract soon for constructing Cedar River Dam. Estimated cost, $150,000.

Dock—Seattle, Wash.—The Grand Trunk Pacific Ry. plans to construct a reinforced concrete dock to replace the structure recently destroyed by fire, with a loss of $350,000. S. P. Lucas, Harbor Engr. for the company, is in charge of the proposed work.

Dock Work—Portland, Ore.—The Port of Portland Commissioners has authorized the sale of $150,000 of bonds, part of the proceeds to be used to improve the docks in the east and west sections of the city.

Fire Hose—Portland, Ore.—Bids will be asked soon by the City Purchasing Agent for 13,650 ft. of fire hose.

Number Plates—Sacramento, Calif.—Bids will be received by F. A. McClure, State Engr., Sacramento, for 120,000 pairs of automobile number plates, etc.

Mausoleum—Riverside, Calif.—The California Mausoleum Co., Pasadena, Calif., will construct a reinforced-concrete and marble mausoleum in Riverside, to cost about $80,000.

Levee Work—Sacramento, Calif.—Bids will be asked at once by the state for levee work to cost $300,000. J. C. Boyd, Sacramento, is Engr.

Ferry Slips—San Francisco, Calif.—The state has had plans prepared for two ferry slips to be constructed at the south end of Union Ferry. Estimated cost, $125,000. W. F. McClure, Sacramento, Calif., is State Engr.

Seawall—Santa Barbara, Calif.—(Official)—The city has awarded the contract to the MERCERAU BRIDGE & CONSTRUCTION CO., Los Angeles, Calif., for constructing the seawall in west bouevard, at $46,392, for Type "E" wall. Other bidders were: Mesmer & Rice, Los Angeles, $61,099; Munoz & Munoz, Los Angeles, $58,812; Russell-Green Foell Co., Los Angeles, $64,300; Beatty Construction Co., Santa Barbara, $59,374; Ashton-Bridgman Co., San Francisco, $59,-450; T. J. Shea, Berkeley, $63,323; Engineer's estimate, $65,-547. It will be 17.55 ft. high and 1876 ft. long. George Robinson is City Engr.

Bank Protection—Stockton, Calif.—The state plans to spend $35,000 and the State Engineering Board $20,000 for bank protection work at Stockton. W. F. McClure, Sacramento, Calif., is State Engr.

Harbor Improvements—Haileyburg, Ont. — The Public Works Department, Ottawa, Ont., is preparing plans for harbor improvements at Haileyburg to cost about $10,000.

Drydock—Owen Sound, Ont.—The city plans to construct a drydock. F. F. Pitts, Niagara Falls, Ont., is Engr.-in-Charge.

BUILDINGS

+Lewiston, Maine—Jones & Barnabee, Boston, Mass., are preparing plans for the theater on Main and Middle Sts. The estimated cost is $75,000. The contract for the foundation has been awarded to GEORGE W. LANE, Lewiston.

+Barre, Vt.—The contract for erecting a hotel at Barre has been awarded to the W. SHELTON SWALLOW CO., 105 West 40th St., New York, N. Y. The building will be of brick and stone, six stories, 37x130 ft., and is estimated to cost $75,000. George N. Bartlett, 103 Park Ave., New York, N. Y., is the Arch.

+Barre, Vt.—The contract for building the addition to the high school was awarded to W. E. JACKSON, Montpelier, Vt. The building will be of brick, two stories, 74x122 ft., and will cost $68,000. F. A. Walker, 43 State St., Montpelier, and Brainerd & Leeds, 89 Franklin St., Boston, Mass., are the Archs. Alfred S. Kellogg, 53 State St., Boston, is the Engr.

Boston, Mass.—The city contemplates the construction of an industrial school for boys, estimated to cost, including site, $500,000. Richard A. Lynch is Supt. of School Bldgs.

+Boston, Mass.—The contract for constructing the six-story brick building at 29 Edinboro St., for Daniel C. Collins, has been awarded E. STODDARD & SONS CO., 85 Purchase St.

Fall River, Mass.—E. I. Marvell, 57 North Main St., is preparing plans for a school on Tucker St., to cost about $80,000. The building will be two stories, of brick.

+Springfield, Mass.—The contract for constructing the six-story brick and reinforced concrete business building for Meekin, Packard & Wheat, has been awarded to FREDERICK T. LEY & CO. B. Hammett Seabury is Arch.

West Springfield, Mass.—Bliss & Lavalle, Springfield, Mass., are preparing plans for a three-story and basement brick school at Park and Elm Sts.

+Winchester, Mass.—The contract for the construction of a fire and police station has been awarded to F. C. ALEXANDER, Old South Bldg., Boston. The estimated cost is $50,000. Elbridge K. Jewett is Chn. Bldg. Comm. Edward R. Wait, 46 Cornhill, Boston, is the Arch.

+Worcester, Mass.—The contract for constructing the brick gymnasium on the Dodge estate has been awarded to the NORCROSS BROS. CO, Worcester, at about $125,000. Noted July 23.

New Britain, Conn.—Bids will be received by Davis & Brooks, 36 Pearl St., Hartford, Conn., for the construction of two buildings on Hungerford Court for the Y. W. C. A. One building will be four stories, 45x100 ft.; the other, two stories, 42x100 ft.

New London, Conn.—Plans are being prepared by D. S. Donnelly, Arch., for a three-story and basement building for the Y. M. C. A. The estimated cost is $100,000. G. S. Palmer is Chn. of the Bldg. Comm.

Buffalo, N. Y.—James J. Geigand, Arch., 346 Herman St., has completed plans for a two-story and basement 96x114-ft. hotel, at Main and Michigan Sts. John Schuster, 70 Otis Place, is the owner.

Bids will be received by Francis G. Ward, Comr. of Pub. Wks., until Aug. 26, for building an addition to Public School No. 54, at Main St. and Leroy Ave. Green & Wicks, 110 Franklin St., prepared the plans. The estimated cost is $60,000.

New York, N. Y. (Borough of Bronx)—(Official)—Bids will be received by C. B. J. Snyder, Super. of School Bldgs., Park Ave. and 59th St., until 3 p.m., Aug. 24, for the construction of School No. 55, on St. Paul's Place, near Park Ave.

Rochester, N. Y.—Joseph H. Oberlies, Granite Bldg., is preparing plans for a three-story and basement school at Lake Ave., for Nazareth Academy, to cost about $150,000.

+Utica, N. Y.—The contract for erecting the six-story and basement building for the Mayro Realty Corporation, Inc., has been awarded to R. RICHARDS & SONS. L. Kin[illegible] is Arch.

Bayonne, N. J.—The Bayonne City Hall Building Commission will soon call for bids for erecting the new city hall. The cost will be about $250,000. Noted Jan. 15.

Jersey City, N. J.—The Board of Education will build an addition to Public School No. 25, to cost about $120,000.

Newark, N. J.—The Board of Freeholders has commissioned John F. Capen, Arch., to prepare plans for an addition to the Overbrook Hospital, to cost about $200,000.

The Board of Freeholders also contemplate the erection of a sanitarium at Soho Hospital.

+Elizabethtown, Penn.—The contract for erecting the station has been awarded to the TITZEL CONSTRUCTION CO., Lancaster, at about $40,000. Zantzinger, Borie & Medary, Philadelphia, prepared the plans.

+North Philadelphia, Penn.—The contract for making alterations to the passenger station has been awarded to the KEYSTONE STATE CONSTRUCTION CO., Pennsylvania Bldg., Philadelphia. The cost is about $70,000.

+Philadelphia, Penn.—The contract for constructing the one-story theater, 26x194 ft., on 17th St., for William I. Greenfield, has been awarded to GEORGE HOGG, Philadelphia, at about $45,000.

+Thomasville, Ga.—The contract for constructing the school on Mallette Heights has been awarded to the T. E. AMASON & CO., Thomasville, at $42,000.

Lamoille, Fla.—Bids will be received by the Consolidated School District Commissioners until Sept. 1, for constructing a two-story and basement brick and stone school from the plans prepared by A. T. Reimer, Arch., Marshalltown.

Walthall, Miss.—Bids will be received by the Chancery Clerk, until Sept. 8, for constructing a court house, estimated to cost $40,000. Overstreet, Spencer & Paine, Merchants Bank Bldg., Jackson, are the Archs. Noted May 28.

Alexandria, La.—Favrot & Livaudais, Archs., New Orleans, are preparing plans for a school to cost $125,000.

Louisville, Ky.—Joseph & Joseph, Louisville, are preparing plans for alterations and additions to the Great Southern Bldg., Fifth and Walnut Sts. The estimated cost is $150,000.

Louisville, Ky.—J. Earl Henry, Arch., Board of Education, is preparing plans for an eight room school at 34th and Market Sts. The estimated cost is $75,000.

+Pikeville, Ky.—The contract for constructing the three-story school has been awarded to O. P. RAYMOND, Cynthiana, at about $40,000. A. W. Potter is Supt. of the Board of Education. Noted July 16.

Cleveland, Ohio—Lehman & Schmitt, Garfield Bldg., are preparing plans for a three-story apartment to cost $40,000.

A. F. Janowitz, Permanent Bldg., is preparing plans for a four-story and basement theater for A. M. Gordon, Illuminating Bldg. The cost is estimated at $80,000.

Cleveland, Ohio—Starrett & Van Vleck, 45 East 17th St., New York, N. Y., are preparing plans for a six-story store for the Best Corporation, Williamson Bldg., Cleveland. The estimated cost is $200,000.

+The contract for building the two-story and basement railway station for the Cleveland R.R. Co. Leader News Bldg. has been awarded to the W. J. THOMPSON SON CO., 6110 Euclid Ave., Cleveland, at about $50,000.

William Brown, New Castle, Penn., contemplates the erection of an office building, estimated to cost $1,000,000.

Cleveland, Ohio.—Harry A. Cone, Arch., Schofield Bldg., is preparing plans for a three-story and basement theater, 80x110 ft., for V. C. Antoinette, Murry Hill Road. The cost is estimated at $60,000.

Columbus, Ohio—Bids will be received by the Secretary of the Columbus A. C. until about Aug. 25, for the construction of a clubhouse, to cost about $300,000.

Findlay, Ohio—It is reported that bids will be received by the B. P. O. E. Lodge, until Sept. 10, for erecting a two-story and basement lodge building, 60x125 ft., to cost about $60,000. McLaughlin & Hulsken, Savings Bank Bldg., Lima, are preparing plans.

Detroit, Mich.—C. Howard Crane, Dime Bank Bldg., Detroit, is preparing plans for a two-story and basement theater for John H. Kimsky and associates, Dime Bank Bldg. The estimated cost is $60,000.

+Grand Rapids, Mich.—The contract for erecting the Grand Rapids City Trust & Savings Bang building on Campau Square, has been awarded to OWENS & AMES, Grand Rapids, at about $132,000. The steel contract was awarded to the DETROIT BRIDGE & STEEL CO., at $32,000.

Detroit, Mich.—Pollmar & Ropes Sun Bldg., Detroit, are preparing plans for a three-story and basement building for Frederick Saunders, 141 Woodward Ave. The estimated cost is $50,000.

Grand Rapids, Mich.—Williamson & Crow, Gilbert Bldg., Grand Rapids, are preparing plans for a four-story and basement building, 132x162 ft., for the Grand Rapids National City Bank. The estimated cost is $50,000.

+Jackson, Mich.—The Board of Education has awarded a contract for the erection of a school to H. D. CONWAY, Jackson, at about $50,000. J. W. Scottford is Secy. of the Board.

Owosso, Mich.—The Free and Accepted Masons contemplate the construction of a four-story and basement temple, estimated to cost $100,000.

E. A. Bowd, Lansing, Mich., is preparing plans for a two-story and basement armory, 80x150 ft., for the city. The estimated cost is $45,000.

+Joliet, Ill.—The contract for constructing the reinforced-concrete and stone school has been awarded to J. WESLEY REDD, Hammond, Ind., at $78,390.

Cedar Rapids, Iowa—The Roman Catholic congregation plans to erect a church costing $50,000.

+Marcus, Iowa—The contract for erecting the church has been awarded to EDWARD McLEAN, Dubuque. The estimated cost is $60,000. William L. Steele, Sioux City, prepared the plans.

+Watertown, S. D.—The contract for erecting a stone church has been awarded to the WISCONSIN CONSTRUCTION CO., Chippewa Falls, at about $65,000.

Grand Forks, N. D.—The Board of Education contemplates the erection of a high school, to cost about $200,000.

Cameron, Mo.—The city has voted $52,000 in bonds for the construction of a school. The previous bond issue was declared illegal. Noted July 9.

Kansas City, Mo.—The contract for erecting the Christian Church hospital has been awarded to the HELLINGER CONSTRUCTION CO., Kansas City. The estimated cost is $200,000.

San Antonio, Tex.—The city and county contemplate the construction of a hospital to cost about $250,000.

+The contract for building the addition to the courthouse has been awarded to the H. N. JONES CONSTRUCTION CO., at $59,975.

Waco, Tex.—W. T. Watt will erect a hotel to cost about $600,000. Plans have been prepared.

Boise, Idaho—The city has sold $600,000 in school bonds.

+Eugene, Wash.—The contract for erecting the high school has been awarded to A. C. APPLEWHITE at $58,984. Noted June 4.

+Lynden, Wash.—The contract for building the high school has been awarded to JAMES TRAPMAN, Lynden, at about $54,000.

+Vancouver, B. C.—The School Board has awarded the contract for constructing the school to McDONALD & WILSON, at $66,871.

CONTRACT PRICE

Bridge Substructure—Chicago, Ill.—Bids were received Aug. 5 by the Commissioner of Public Works for the construction of the substructure of a double- leaf trunnion bascule bridge over the North Branch of the Chicago River at Belmont Ave., Chicago, from (A) Great Lakes Dredge & Dock Co.; (B) Nash-Dowdle Co.; (C) Byrne Bros. Dredging & Engineering Co.; (D) FitzSimons & Connell Dredge & Dock Co.; (E) Standish & Allan. The item bids were as follows:

SUBSTRUCTURE OF BELMONT AVE. DOUBLE LEAF TRUNNION BASCULE BRIDGE, CHICAGO

	A	B	C	D	E
Removing obstructions, lump sum	$1,000.00	$1,500.00	$2,000.00	$2,300.00	$3,000.00
Maintaining temporary bridge, etc., lump sum	2,400.00	2,500.00	1,500.00	1,900.00	1,500.00
Coffer-dams, lump sum	23,500.00	24,780.00	23,500.00	24,000.00	27,000.00
4 piles, driving test piles	25.00	40.00	25.00	25.00	25.00
8000 cu.yd. excavation	0.90	1.00	1.00	1.00	1.10
1500 cu.ft. removal sub-piers—limestone	0.15	0.50	0.37	0.35	0.40
100 cu.ft. removal sub-piers—boulders	0.15	1.00	0.75	0.35	0.40
3800 cu.yd. portland concrete piers, etc.	6.50	6.30	7.25	6.50	5.90
250 cu.yd. portland cement mortar	14.00	12.00	13.00	13.00	10.00
9000 cu.ft. sub-piers under main piers	0.70	0.70	0.40	0.55	1.00
2500 cu.yd. concrete in retaining walls	7.25	6.60	7.00	7.50	6.75
270,000 lb. steel reinforcing rods	0.025	0.025	0.03	0.025	0.03
16,500 lb. structural steel	0.05	0.04	0.04	0.04	0.03
80,000,lin.ft. handling steel furnished	0.005	0.01	0.015	0.015	0.0075
8000 lin.ft. creosoted oak piles delivered	0.35	0.35	0.40	0.40	0.45
14,000 lin.ft. Norway-pine-cypress piles delivered	0.13	0.165	0.14	0.17	0.25
17,500 lin.ft. driving piles	0.13	0.12	0.12	0.12	0.15
37 M. ft. b.m. creosoted oak timbers in place	75.00	75.00	75.00	85.00	65.00
75 lin.ft. diverting and extending 7 ft. sewer	12.00	20.00	17.5	18.00	30.00
40 lin.ft. diverting and extending 15-in. sewer	3.00	5.50	5.50	5.00	5.00
6,000 cu.yd. filling on west approach	0.20	0.25	0.25	0.25	0.45
1360 lin.ft. gas pipe railing on approach	1.50	1.75	2.00	2.00	1.00
Extended totals	$108,970.00	$111,325.00	$113,377.00	$113,715.00	$119,670.00

Intercepting Sewer—Newark, N. J.—Bids were received, July 14, by the Passaic Valley Sewerage Commissioners for constructing a part of Section 12 of the Main Intercepting Sewer, from (A) Oscar Daniels Co., Woolworth Bldg., New York; (B) Cauldwell-Wingate Co., New York; (C) Fusco Construction Co., Newark; (D) Merrill-Ruckgaber and Mason, Hilton & Co., New York; (E) James S. Frazer, New York; (F) J. F. Shanley Co., Newark. The item bids were as follows:

INTERCEPTING SEWER, NEWARK, N. J.

Part of Section 12

	A	B	C	D	E	F
Earth excavation and refilling for 120-in. sewer (lump sum)	$131,600.00	$139,000.00	$117,000.00	$111,000.00	$65,000.00	$71,371.86
10 cu.yd. rock excavation	5.00	6.00	5.00	6.00	5.00	4.00
3700 cu.yd. concrete masonry	14.00	10.00	10.00	8.00	9.00	9.00
80,000 lb. steel for concrete reinforcement	0.05	0.04	0.05	0.03	0.04	0.05
1100 tons rip rap	2.50	4.00	3.00	3.00	3.50	2.50
15 sq.yd. granite block paving	5.00	3.50	5.00	5.00	5.00	3.50
60,000 lin.ft. timber piles	0.50	0.50	0.40	0.28	0.50	0.30
5 cu.yd. brick masonry in manholes	15.00	16.00	20.00	20.00	15.00	15.00
Extended totals	$220,350	$213,702	$185,525	$163,335	$135,550	$129,589

INDUSTRIAL NOTES

The MacArthur Concrete Pile & Foundation Co., 11 Pine St., New York, N. Y., has been awarded a contract for the construction of the foundation of a gas holder for the Portland Gas Light Co., Portland, Maine. It will consist of 576 pedestal concrete piles and a 12-in. concrete mat. The Bartlett Hayward Co., Baltimore, Md., is the general contractor for the work.

Engineering Work at Duluth, Minn.—There is considerable engineering work in progress at Duluth, Minn., this season. The city is doing a large amount of paving, and will construct two miles of concrete road to the new model town of Morgan Park, noted below.

A portland-cement plant is being built by the Universal Portland Cement Co., and adjacent to this the Minnesota Steel Co. is erecting a large steel plant, which probably will be completed next season. This latter company is also constructing a "model town" known as Morgan Park. This work includes building about 140 residences, a hospital, store building, school house, etc; also complete sewer and water supply systems and concrete paving for the principal streets. All of the above work is within the city limits of Duluth.

Not to Build a Non-Union Factory—J. D. Butts, superintendent of construction, for the Ford Motor Co., at Long Island City, denied there was any truth in the rumor that the Ford Co. had declared a policy against the employment of union labor on its new factory addition at Long Island City.

"The entire responsibility," he said, "lay with the contractor. When a contract is awarded the Ford Company is concerned only about its competition and does not attempt to dictate whether the work shall be done by union or non-union labor. However, in the last six months, all contracts which have been let have contained a clause which requires a contractor to keep his work going by the employment of non-union men if the union labor then employed call a strike."

The Terry Steam Turbine Co., Hartford, Conn., announces that it has appointed Fidanque Bros. & Sons, New York and Panama, with main offices at 15 Whitehall St., New York, its representative for the Republic of Panama and the Canal Zone. The Cleveland office of the Terry Turbine Co., in charge of L. G. Finlay, has been removed from 710 New England Bldg. to 503 Union Bldg.

At the Shipyards of the Polson Iron Works, Toronto, Ont., the launching took place recently of the third lighter built there for the Department of Railways and Canals of the Canadian Government. It is intended for service in the development of the Hudson Bay terminals. It is 120 ft. long, 21½ ft. beam and 11 ft. draft, and is of the single-screw type. Its power equipment includes a 250-hp. Clyde boiler. The lighter will be steam heated and electrically lighted. The deck equipment includes two 30-ton winches in addition to stem windlasses and capstan. The machinery and engines were placed in the hull previous to launching.

The Union Fiber Co., Winona, Minn., has opened a branch office at 711 Empire Bldg., Atlanta, Ga., in charge of A. J. McArthur, Southern representative. To facilitate deliveries and to give small buyers the benefit of carload freight rates, the company is keeping on hand in Atlanta a good stock of linofelts, fibrofelts, union corkboard, waterproof lith, pipe coverings and other cold-storage insulation products.

The Gade Excavating Co., Iowa Falls, Iowa, has designed an excavating machine of light construction which it states will do the wor kof the heavier type and eliminate the expense and trouble of transporting, etc. The excavator is described and illustrated in a catalog recently issued by the company, giving details of construction, operation, power and method of transportation. Views showing the excavator in actual operation are also shown. The Economy excavator is a 12-ton machine, 35 ft. wide and 24 ft. long, all steel, set on four large wheels. The power is furnished by a gasoline engine and is so arranged that the operator can sit in the middle of the machine and operate the shovel from any point.

Contracts to Be Let

Bids received until Aug. 29, 1914.

Construction of an Intake Crib, 36 Inch Cast Iron Intake Main and Concrete Shore Well

Proposals will be received at the office of the Village Clerk of Highland Park, Wayne County, Michigan, until 10 o'Clock A.M., Saturday, August 29th, 1914, for:

(A) Furnishing and Placing a Steel Intake Crib.

(B) Furnishing, Trenching, Laying and Backfilling about 2800 feet of 36 inch cast iron water main, from a Steel Intake Crib located about 2500 feet off shore in 16 feet of water, to a well 300 feet in shore from Lake St. Clair, at the Water Works Pumping Station of the Village of Grosse Pointe Farms.

(C) Constructing an 18 ft. diameter Concrete Well, 39 ft. deep.

The right is especially reserved by the Village to reject any or all bids and to accept such proposal as will be to the best advantage of the Village.

Plans and Specifications may be seen after Wednesday, August 12, 1914, at the office of the Clerk of the Village of Highland Park, at the office of Gardner S. Williams, Consulting Engineer, Ann Arbor, Michigan, or will be forwarded upon request to the latter office upon the deposit of a certified check in the amount of $10.00, which sum will be refunded upon the return of the Plans and Specifications in good condition.

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Bids received until Sept. 8, 1914.

Boilers

NOTICE TO CONTRACTORS. Sealed proposals for two 125 H.P. boilers at the New York State Soldiers & Sailors Home, Bath, N. Y., will be received by Hon. Joseph A. Goulden, President of the Board of Trustees, New York State Soldiers & Sailors Home, Bath, N. Y., until September 8th, 1914, at 11:00 o'clock A.M., when they will be opened and read publicly. Proposals shall be accompanied by a certified check in the sum of five per cent. of the amount of bid, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent. of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of specification No. 1738. The right is reserved to reject any or all bids. Drawings and specifications may be consulted and blank forms of proposal obtained at the New York State Soldiers & Sailors Home, Bath, N. Y., at the Department of Architecture, Capitol, Albany, N. Y., and at the New York office of the Department of Architecture, Room No. 1224, Woolworth Building, New York City, upon deposit of a certified check or cash in the sum of $5.00, made payable to the State of New York, which check will be returned if plans and specifications are sent back in good order to the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

WILLIAM H. NICHOLS,
Secretary.

Dated Bath, N. Y., August 14, 1914.

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Bids will be received until Sept. 10, 1914.

Dredging

ENGINEER OFFICE OF THE PORT COMMISSIONERS OF JACKSONVILLE, FLA.

Room 315, Realty Building, Jacksonville, Florida.

Sealed proposals for dredging in the St. Johns River at Jacksonville for Municipal Dock and Terminal purposes will be received at this office until noon September 10th, 1914, and then publicly opened.

Information, consultation with maps of the locality and a view of plans of the project may be had at this office.

F. W. BRUCE, Engineer.

Bids received until Sept. 15, 1914.

Hanover Street Bridge

STATE OF MARYLAND STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

SEALED PROPOSALS for building a bascule span section IV of Hanover Street Bridge as follows: Bascule bridge having a clear span between fenders of not less than 150 feet, a clear roadway of 50 feet, and two sidewalks with a width of 8 feet in clear of railings, will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 15th day of September, 1914, at which time and place they will be publicly opened and read.

Bids must be made upon the blank form contained in the book of specifications. Specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Twenty-five Hundred ($2500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 6th day of August, 1914.

WM. L. MARCY, Secretary. O. E. WELLER, Chairman.

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Bids received until Aug. 22, 1914.

Reservoir Improvements

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the Board of Water Commissioners of Waverly, N. Y., until 12 o'clock, noon on the 22nd day of August, 1914, for raising the embankment of their upper reservoir with all its accessories as shown on the plans, or called for in the specifications.

Plans can be seen and specifications obtained at the office of the Board.

The said Board hereby reserves the right to reject any and all bids, or accept any that in their judgment will be for the best interest of the Village.

A bond satisfactory to said Board in amount and sureties will be required of those to whom the contract may be awarded.

Cash or certified check, made payable to the order of the President of said Board to the amount of $500.000 must be deposited by each bidder and accompany his bid as a guarantee that in case the contract is awarded him, he will, within seven (7) days thereafter, execute said contract.

Bids must be sealed and addressed to said Board of Water Commissioners, Waverly, N. Y., and marked on the outside of the envelope enclosing them, "Proposals for Reservoir Improvements."

ANDREW HILDEBRAND, President.

EDGAR D. SEBRING, Clerk.

⁂

Bids will be received until Sept. 10, 1914.

Bulk-Heads

ENGINEER OFFICE OF THE PORT COMMISSIONERS OF JACKSONVILLE, FLA.

Room 315, Realty Building, Jacksonville, Florida.

Sealed proposals for the construction of Interlocking steel sheet piling bulk-heads for Municipal Dock and Terminal Purposes, will be received at this office until noon, September 10th, 1914, and then publicly opened.

Information may be had and plans of the proposed project may be seen, together with maps of the locality at this office.

F. W. BRUCE, Engineer.